



INSIZE

MEASURING INSTRUMENTS

EFFECTIVE: MAY. 1ST, 2023 - DEC. 31ST, 2023

PRICES EXCLUDING GST

Obtain information about our complete range of product from our website or general catalogue



PROMOTION

PRODUCT INDEX

1 DATA OUTPUT

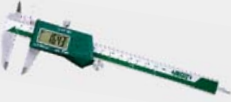
PAGE 1-4



DATA OUTPUT CABLES

2 CALIPERS

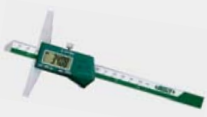
PAGE 5-23



CALIPERS

3 DEPTH MEASURING INSTRUMENTS

PAGE 24-29



DEPTH GAGES



DEPTH GAGES



DEPTH MICROMETERS

5 COMPARISON INSTRUMENTS

PAGE 35-38



CARBON FIBER
COMPARISON GAGES



INTERNAL AND EXTERNAL
DIAMETER COMPARISON
INSTRUMENTS



OUTSIDE DIAMETER
MEASURING STANDS

8 ARC RADIUS MEASUREMENT

PAGE 61-64



OUTSIDE DIAMETER
MEASURING
INSTRUMENTS



OUTSIDE DIAMETER
VARIATION MEASURING
INSTRUMENTS



DIGITAL RADIUS
GAGES



DIGITAL ARC RADIUS
CALIPERS



DIGITAL RADIUS
CALIPERS

9 CHAMFER MEASUREMENT

PAGE 65-66



DIGITAL CHAMFER
GAGES



DIGITAL CHAMFER
GAGES

4 HEIGHT MEASURING INSTRUMENTS

PAGE 30-34



DIGITAL
HEIGHT GAGES



HEIGHT GAGES



MINI DIGITAL
HEIGHT GAGES

6 MICROMETERS

PAGE 39-52



HIGH PRECISION DIGITAL
MICROMETERS/SNAP GAGES



OUTSIDE
MICROMETERS



3-WIRES



MICROMETER HEADS

7 BORE DIAMETER, CIRCUMFERENCE MEASUREMENT

PAGE 53-60



INSIDE
MICROMETERS



INSIDE
MICROMETERS



THREE POINTS
INTERNAL MICROMETERS



BORE GAGES



TELESCOPING
GAGE SETS



CIRCUMFERENCE
ROLLS

10 INDICATORS, LINEAR GAGES, DIAL INDICATOR STANDS

PAGE 67-86



DIAL TEST INDICATORS



INDICATORS



LINEAR GAGES AND
DISPLAY UNITS



MAGNETIC STANDS



DIAL INDICATOR STANDS
(NON-MAGNETIC)



DIAL INDICATOR
STANDS

PRODUCT INDEX

11 INDICATING MEASURING INSTRUMENTS

PAGE 87-93



INTERNAL CALIPER GAGES



EXTERNAL CALIPER GAGES



THICKNESS GAGES



TUBE THICKNESS GAGES



RUBBER THICKNESS GAGES



SNAP GAGES



STEP AND GAP GAGES



KEYWAY GAGES

13 ANGLE, STRAIGHTNESS, FLAT MEASURING INSTRUMENTS

PAGE 103-109



PROTRACTORS



GRANITE SQUARES



PERPENDICULARITY TESTERS



SQUARES



STRAIGHT EDGES



STRAIGHT EDGES



FLATNESS MEASUREMENT STANDS

14 CONCENTRICITY AND RUNOUT TESTERS

PAGE 110-112



CONCENTRICITY GAGES



BENCH CENTERS

12 STANDARDS AND GAGE BLOCKS

PAGE 94-102



GAGE BLOCKS



PIN GAGES



SETTING RINGS



PLAIN PLUG GAGES



MEASURING BALLS



THREADED HOLE LOCATION GAGES



THREAD PLUG GAGES



THREAD RING GAGES

15 SIMPLE MEASURING TOOLS

PAGE 113-131



FEELER GAGES



PITCH GAGES



RADIUS GAGES



TAPER SLOT GAGES



TAPER BORE GAGES



WELDING GAGES



INSIDE/OUTSIDE CALIPERS



MEASURING ROLLS



MEASURING WHEELS



STEEL RULES



COMBINATION SQUARES



T-BEVELS



SCRIBING CALIPERS



PRECISION SCREWDRIVER SETS



MEASURING TOOL SETS

17 LEVELS

PAGE 139-145



LEVELS



CROSS-LINE LASER LEVELS



SELF-LEVELING ROTARY LASERS

PRODUCT INDEX

16 SET-UP TOOLS

PAGE 132-138



V-BLOCKS



PARALLEL SETS



PARALLEL/SQUARE SETS



ANGLE PLATE SETS



PRECISION VISES



STAGES



CENTERING INDICATORS



EDGE FINDERS



3D TESTERS



EDGE FINDERS FOR EDM



ZERO SETTERS

21 COATING INSPECTION

PAGE 187-196



COATING THICKNESS GAGES



SURFACE PROFILE GAGES



WET FILM GAGES



GLOSS METERS



COLORIMETERS



PENCIL HARDNESS TESTERS



CROSS CUT ADHESION TESTERS



DIGITAL ADHESION TESTERS



ROTATIONAL ABRASION TESTERS



PAINT FILM FLEXIBILITY TESTERS



IMPACT TESTERS

18

PAGE 146-154



LINEAR SCALES



SCALES



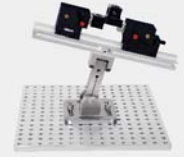
AIR GAGES AND DISPLAYS



OPTICAL TRANSMISSION PROBES FOR CNC MACHINE TOOLS



LASER SCAN MICROMETERS



JIG SETS FOR CMM

19 TOOL PRESETTERS, PROFILE PROJECTORS, QUICK MEASUREMENT SYSTEMS, VISION MEASURING SYSTEMS



TOOL PRESETTERS



PROFILE PROJECTORS



QUICK MEASUREMENT SYSTEMS



VISION MEASURING SYSTEMS

20 MICROSCOPES, MAGNIFIERS AND VIDEOSCOPIES

PAGE 163-186



TOOLMAKER MICROSCOPES



DIGITAL MICROSCOPES



MICROSCOPES



MAGNIFIERS



TELESCOPING INSPECTION MIRRORS



VIDEOSCOPIES

PRODUCT INDEX

22 PORTABLE INSTRUMENTS PAGE 197-216



ULTRASONIC THICKNESS GAGES



INFRARED THERMAL IMAGING CAMERAS



INFRARED THERMOMETERS



THERMOHYGRO METERS



TACHOMETERS



VIBRATION PENS



DIGITAL MULTIMETERS



DIGITAL AC/DC CLAMP METERS



VOLTAGE TESTERS



LASER DISTANCE METERS



PORTABLE CONDUCTIVITY/TDS METERS



PORTABLE pH METERS



REFRACTOMETERS



DIGITAL STOPWATCHES



STROKE COUNTERS



BOURDON TUBE PRESSURE GAGES



DIGITAL MOISTURE METERS



ANEMOMETERS



DIGITAL SOUND LEVEL METERS



LIGHT METERS



TESLAMETERS



LASER BELT TENSION METERS

23 PROFILE AND ROUGHNESS TESTERS PAGE 217-222



SURFACE PROFILE MEASURING MACHINES



ROUGHNESS TESTERS

24 HARDNESS TESTERS PAGE 223-241



HARDNESS TESTERS

25 TESTING MACHINES, FORCE GAGES PAGE 242-246



UNIVERSAL TESTING MACHINES



DIGITAL SPRING TESTERS



FORCE GAGES



DIAL TENSION GAGES

26 TORQUE TESTERS TORQUE WRENCHES PAGE 247-254



TORQUE TESTERS



TORQUE SCREWDRIVERS



TORQUE WRENCHES

27 SCALES PAGE 255-262



SCALES



WEIGHT SETS

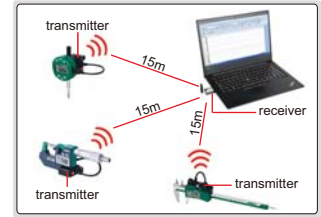


Data Transmission Systems
Page 2-3



Data Output Cables
Page 4

DATA TRANSMISSION SYSTEM



- Through wireless transmission, the measurement data can be transmitted to computers or mobile phones
- Wireless zigbee protocol, conforming to IEEE802, 2.4GHz band
- Transmission distance is 15 meter (under the condition of no obstruction and no electromagnetic interference)

Transmitter

- Connecting to digital measuring tools such as calipers, micrometers and indicators
- CR2032 battery

Code	Description	Transmitter	Connecting with measuring tool	Transmit data	List Price (₹)	Promotion Price (₹)
7315-21	transmitter for digital calipers			<ul style="list-style-type: none"> Press the transmit button on the plug of cable, can also press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once 	5664	4930
7315-22	transmitter for large digital calipers			<ul style="list-style-type: none"> Press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once 	5011	4497
7315-30	transmitter for digital micrometers			<ul style="list-style-type: none"> Press the "data" button of digital micrometer, can also press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once, at the same time, the signal light on the digital micrometer flashes once 	5011	4498
7315-50M	transmitter for digital indicators		 for 2108, 2138, 2139 series digital indicators	<ul style="list-style-type: none"> Press the "DATA" button of digital indicator, can also press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once, at the same time, the signal light on digital indicator flashes once 	5109	4603
			 for other digital indicators	<ul style="list-style-type: none"> Press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once 		
7315-60	transmitter for high precision digital indicators			<ul style="list-style-type: none"> Press the transmit button of the transmitter Data is transmitted once, the signal light of the transmitter flashes once 	5109	4603

To be continued

Continued from previous page

Receiver (keyboard signal)

- For computers and mobile phones
- Recognized as HID keyboard device, the transmitted data is recognized by computers or mobile phones as keyboard input data and press enter, such as 12.34✓.
- No need to install drivers and softwares
- Data can be transmitted to excel, word, txt etc.
- For any softwares which can receive keyboard signal

Code	Product	Description	Remark	List Price (₹)	Promotion Price (₹)
7315-3	USB port	single channel receiver	connected with 1 transmitter only	9479	8313
7315-6	USB port	multichannel receiver	connected with 6 transmitters, each channel has status indicator	13659	12293
7315-7	type-C port			13659	12293
7315-8	micro USB port			13659	12293
7315-9	lightning port			15577	14798

Receiver (text format, virtual com port)

- For computers with windows system
- Text format virtual com port, converted to keyboard format with supplied software
- Supplied with EXCEL directional input software
- Measurement data can be transmitted to excel, word, txt etc. and any software which receives keyboard signal

Code	Product	Description	Remark	List Price (₹)	Promotion Price (₹)
7315-2	antenna USB port	multichannel receiver	connected with maximum 16 transmitters, each of them has unique identification code	16122	12662

EXCEL directional input software

- Supplied with 7315-2 receiver
- The measurement data of multiple measuring tools can be transmitted to the designated area of excel, which facilitates data management and improves efficiency

Excel directional input software (included in 7315-2), application example 1

Set the display area of caliper at B4-B9, the readings of caliper are displayed at B4, B5...B9.
Set the display area of micrometer at C4-C9, the readings of micrometer are displayed at C4, C5... C9.
Set the display area of height gage at D4-D9, the readings of height gage are displayed at D4, D5... D9.

	A	B	C	D
1	Project	Length	Width	Height
2	Dimension and Tolerance	50±0.05	24±0.01	10+0.05/-0.06
3	Measuring tool	Caliper	Micrometer	Height gage
4	1	50.02	24.004	9.98
5	2	50.01	24.010	10.01
6	3	49.99	23.990	10.02
7	4	50.00	23.996	9.99
8	5	50.04	24.000	10.01
9	6	Channel 1	Channel 2	Channel 3

serial of workpieces the next data display area is indicated in green

Excel directional input software (included in 7315-2), application example 2

Set the display area of micrometer at B4-C9, data input is from the left to the right, the readings of micrometer are displayed at B4, C4, B5, C5... B9, C9.
Set the display area of caliper at D4-D9, the readings of caliper are displayed at D4, D5... D9.
Set the display area of depth gage at E4-E9, the readings of depth gage are displayed at E4, E5... E9.

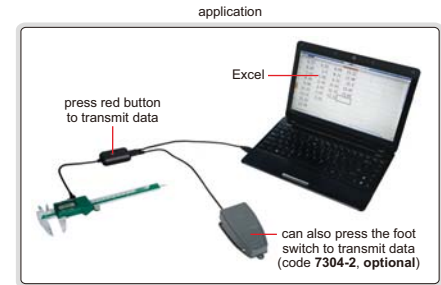
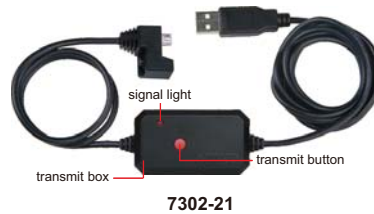
	A	B	C	D	E
1	Project	External diameter1	External diameter2	Length	Depth
2	Dimension and Tolerance	Φ23+0.01/-0.02	Φ21+0.01/-0.02	50±0.04	28±0.05
3	Measuring tool	Micrometer	Micrometer	Caliper	Depth gage
4	1	23.010	21.008	49.98	28.01
5	2	23.010	21.000	49.98	27.98
6	3	22.999	21.000	50	28
7	4	23.007	20.998	50	28
8	5	23.000	20.985	50.01	28.01
9	6	23.008	Channel 1	Channel 2	Channel 3

serial of workpieces the next data display area is indicated in green

DATA OUTPUT CABLES (KEYBOARD FORMAT)



- Recognized as HID keyboard device by computer, no need to install drivers and softwares
- Data can be transmitted to Excel, Word, txt and other files (press transmit button, which is recognized by the computer as keyboard input data and press enter, such as 12.34✓)
- For any softwares which can receive keyboard signal
- Optional accessory: foot switch (code: 7304-2), hub (code: 7324-HUB4, 7324-HUB7), extension cables (code: 7325-ADD5, 7325-ADD10)



Code	Description	Plug	Connecting with measuring tool	Transmit data	List Price (₹)	Promotion Price (₹)
7302-21	cable for digital calipers (length 3m)			<ul style="list-style-type: none"> ■ Press the transmit button on the plug of cable, can also press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once 	5297	4767
7302-22	cable for large digital calipers (length 2.5m)			<ul style="list-style-type: none"> ■ Press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once 	5090	4581
7302-30	cable for digital micrometers (length 2.5m)		 back	<ul style="list-style-type: none"> ■ Press the "data" button of digital micrometer, can also press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on the digital micrometer flashes once 	5443	4899
7302-40M	cable for digital indicators (length 2.5m)		 for 2108, 2138, 2139 series digital indicators	<ul style="list-style-type: none"> ■ Press the "DATA" button of digital indicator, can also press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once, at the same time, the signal light on digital indicator flashes once <p>Note: long press transmit button to zero the digital indicators</p>	5481	4933
			 for other digital indicators	<ul style="list-style-type: none"> ■ Press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once <p>Note: long press transmit button to zero the digital indicators</p>		
7302-50M	cable for digital gages (length 2.5m)			<ul style="list-style-type: none"> ■ Press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once 	5646	5081
7302-60	cable for high precision digital indicators (length 2.5m)			<ul style="list-style-type: none"> ■ Press the "DATA" button of high precision digital indicator, can also press the transmit button of the transmit box, or press the foot switch ■ Data is transmitted once, the signal light of the transmit box flashes once 	5243	4981

02

CALIPERS

←INSIZE→



Digital Calipers
Page 6-9



Dial Calipers
Page 9



Vernier Calipers
Page 9-11



Depth Base Attachments
Page 11



Accessory Sets For Digital Calipers
Page 11-12



Large Digital Calipers
Page 12



Large Vernier Calipers
Page 13

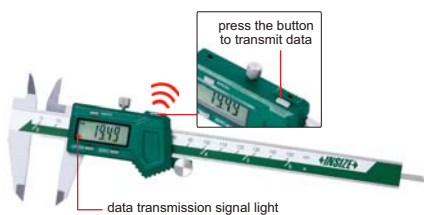
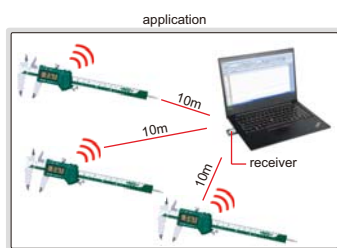


Special Purpose Calipers
Page 13-23

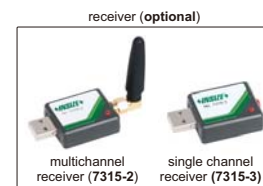
DIGITAL CALIPERS



ATTENTION: THE WORKING LIFE OF A BATTERY IS ABOUT 3-5 MONTHS



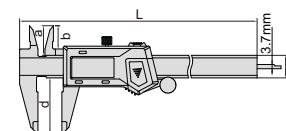
1113-150



- Non waterproof
- Built-in wireless data transmission module, Zigbee signal
- Transmission distance is 10 meter (under the condition of no obstruction and no electromagnetic interference)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, data transmission
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: receiver (code 7315-2/3/6/7/8/9)

(mm)

Code	Range	Accuracy	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1113-150*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	7079	6156
1113-200*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	8380	6970
1113-300*	0-300mm/0-12"	±0.03mm	400	25	20.5	16	60	11930	9921



*Supplied with manufacturer inspection certificate

IP67 WATERPROOF DIGITAL CALIPER

IP67
WATERPROOF

ATTENTION:
NO DATA OUTPUT

ATTENTION: WHEN POWER ON 8 HOURS AFTER SHUTDOWN, IT IS NECESSARY TO SET ZERO



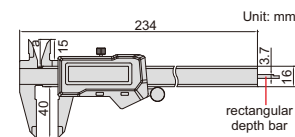
- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Large display
- Button function: zero, on/off, mm/inch
- Battery CR2032
- Automatic power off
- Meet DIN862
- Made of stainless steel



1126-150

(mm)

Code	Range	Accuracy	a	List Price (₹)	Promotion Price (₹)
1126-150*	0-150mm/0-6"	±0.03mm	20	5510	5179



*Supplied with manufacturer inspection certificate

IP67 WATERPROOF DIGITAL CALIPERS



ATTENTION:
NO DATA OUTPUT

IP67
WATERPROOF

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch
- Battery CR2032
- Automatic power off
- Meet DIN862
- Made of stainless steel

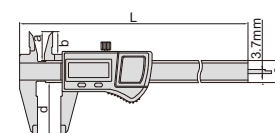


1115-150

POPULAR
MODEL

(mm)

Code	Range	Accuracy	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1115-150*	0-150mm/0-6"	±0.02mm	235	20	15	16	40	5293	4764
1115-200*	0-200mm/0-8"	±0.03mm	287	24	19	16	50	8399	7559
1115-300*	0-300mm/0-12"	±0.03mm	388	26	21	16	60	10392	9353



*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS (ABSOLUTE SYSTEM)

INSPECTION
CERTIFICATE

DATA
OUTPUT

- Non waterproof
- Absolute system, low power consumption, long battery life
- Accuracy: $\pm 0.03\text{mm}$
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, mm/inch, ORIGIN, ZERO/ABS
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: wireless transmitter, code 7315-22, data output cable (keyboard format), code 7302-22

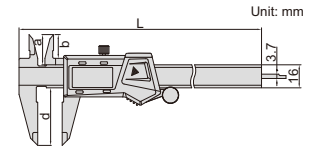


1103-150

POPULAR
MODEL

Code	Range	L	a	b	d	List Price (₹)	Promotion Price (₹)
1103-150*	0-150mm/0-6"	236	21	16.5	40	4195	2208
1103-200*	0-200mm/0-8"	286	24	19.5	50	5672	3161
1103-300*	0-300mm/0-12"	400	26	21.5	60	7745	5600

(mm)



*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS

INSPECTION
CERTIFICATE

ATTENTION: NO
DATA OUTPUT

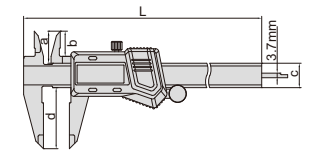
- Non waterproof
- Zinc alloy housing for digital unit
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, meet DIN862
- Made of stainless steel



1114-150A

Code	Range	Accuracy	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1114-150A*	0-150mm/0-6"	$\pm 0.03\text{mm}$	236	21	16	16	40	2546	2368
1114-200A*	0-200mm/0-8"	$\pm 0.03\text{mm}$	286	24	19	16	50	3441	3200
1114-300A*	0-300mm/0-12"	$\pm 0.03\text{mm}$	400	25	20.5	17	60	6039	5616

(mm)



*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS (STANDARD TYPE)

INSPECTION
CERTIFICATE

DATA
OUTPUT

- Non waterproof
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output, meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

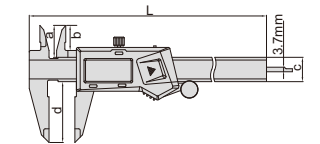


1108-150

POPULAR
MODEL

Code	Range	Accuracy	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1108-150*	0-150mm/0-6"	$\pm 0.02\text{mm}$	236	21	16	16	40	2614	2066
1108-200*	0-200mm/0-8"	$\pm 0.03\text{mm}$	286	24	19	16	50	3565	3117
1108-300*	0-300mm/0-12"	$\pm 0.03\text{mm}$	400	25	20.5	16	60	6277	5598

(mm)



*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS (BASIC TYPE)

POPULAR
MODEL

ATTENTION: NO
DATA OUTPUT

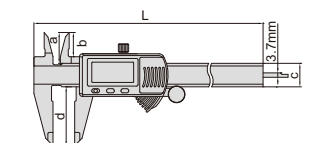
- Non waterproof
- Resolution: $0.01\text{mm}/0.0005''$
- Buttons: zero, on/off, mm/inch
- Battery LR44
- Meet DIN862
- Made of stainless steel



1112-150

Code	Range	Accuracy	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1112-150	0-150mm/0-6"	$\pm 0.03\text{mm}$	236	21	16	16	40	2316	1833
1112-200	0-200mm/0-8"	$\pm 0.03\text{mm}$	286	24	19	16	50	3243	2782
1112-300	0-300mm/0-12"	$\pm 0.03\text{mm}$	400	25	20.5	17	60	5983	5115

(mm)



HEAVY DUTY 300mm DIGITAL CALIPER

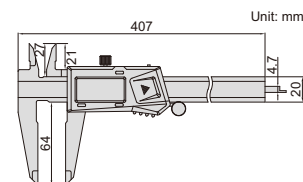
- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)



1196-300

INSPECTION
CERTIFICATE

DATA
OUTPUT



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1196-300*	0-300mm/0-12"	±0.03mm	8482	7571

*Supplied with manufacturer inspection certificate

DIGITAL CALIPER WITH ROUND DEPTH BAR



1119-150

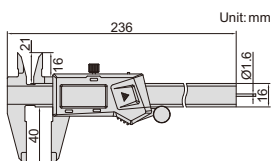
DATA
OUTPUT

INSPECTION
CERTIFICATE



round depth bar Ø1.6mm

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



Unit: mm

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1119-150*	0-150mm/0-6"	±0.03mm	2996	2607

*Supplied with manufacturer inspection certificate

LEFT HAND DIGITAL CALIPER

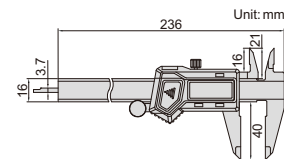
INSPECTION
CERTIFICATE

DATA
OUTPUT



1130-150

- Non waterproof
- Designed for left handed users
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)



Unit: mm

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1130-150*	0-150mm/0-6"	±0.03mm	7727	7045

*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS WITH CARBIDE TIPPED JAWS

- Non waterproof
- Accuracy: ±0.03mm
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1110-150B

INSPECTION
CERTIFICATE

DATA
OUTPUT

(mm)

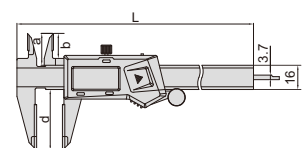
Carbide tipped lower jaws

Code	Range	L	a	b	d	List Price (₹)	Promotion Price (₹)
1110-150B*	0-150mm/0-6"	236	21	16	40	6423	5823
1110-200B*	0-200mm/0-8"	286	24	19	50	7944	7202
1110-300B*	0-300mm/0-12"	400	25	20.5	60	12084	10955

*Supplied with manufacturer inspection certificate



Unit: mm



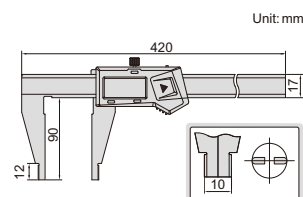
DIGITAL CALIPER

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1170-300

DATA
OUTPUT



Unit: mm

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1170-300	0-300mm/0-12"	±0.06mm	9218	8296

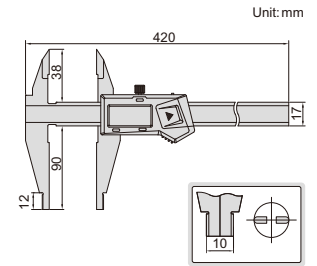
DIGITAL CALIPER

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1171-300

DATA OUTPUT



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1171-300	0-300mm/0-12"	±0.06mm	15060	13554

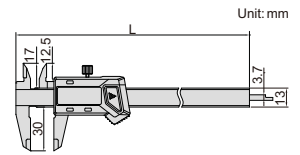
MINI DIGITAL CALIPERS

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: zero, mm/inch, on/off
- Automatic power off, move the digital unit to turn on power
- Battery LR44
- Meet DIN862
- Made of stainless steel



1111-100A

ATTENTION: NO DATA OUTPUT



Code	Range	Accuracy	L	List Price (₹)	Promotion Price (₹)
1111-75A	0-75mm/0-3"	±0.02mm	144mm	2761	2374
1111-100A	0-100mm/0-4"	±0.02mm	170mm	2769	2381

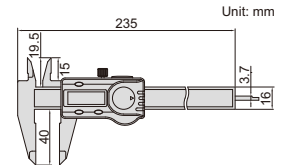
PLASTIC DIGITAL CALIPER

- Non waterproof
- Made of hard plastic, non-magnetic and non electric conductive
- Prevent workpieces from scratching by calipers
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off



1139-150

ATTENTION: NO DATA OUTPUT



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1139-150	0-150mm/0-6"	±0.1mm	1003	905

DIAL CALIPERS

Dial indicator graduation: 0.02mm

(mm)

INSPECTION CERTIFICATE

SHOCK PROOF



1312-150A

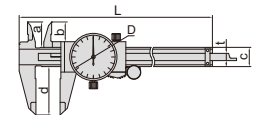
Code	Range	Accuracy	L	a	b	c	d	D	t	List Price (₹)	Promotion Price (₹)
1312-150A*	0-150mm	±0.03mm	235	21	16.5	16	40	∅39	6.5	3040	2698
1312-200A*	0-200mm	±0.03mm	288	24	19	16	48	∅39	6.5	4050	3594
1312-300A*	0-300mm	±0.03mm	410	28	22	20	62	∅44.5	7.5	6073	5511

Dial indicator graduation: 0.01mm

(mm)

Code	Range	Accuracy	L	a	b	c	d	D	t	List Price (₹)	Promotion Price (₹)
1311-150A*	0-150mm	±0.03mm	235	21	16.5	16	40	∅39	6.5	3413	3059
1311-200A*	0-200mm	±0.03mm	288	24	19	16	48	∅39	6.5	4341	3890
1311-300A*	0-300mm	±0.03mm	410	28	22	20	62	∅44.5	7.5	5957	5778

- Shockproof dial indicator
- Made of stainless steel



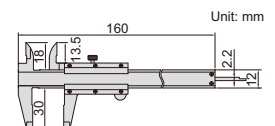
*Supplied with manufacturer inspection certificate

MINI VERNIER CALIPER

- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



1201-1003



Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
1201-1003	0-100mm	0.05mm	±0.05mm	1321	1189

VERNIER CALIPERS

- Accuracy: $\pm 0.03\text{mm}$
- Graduation: $0.02\text{mm}/0.001''$
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

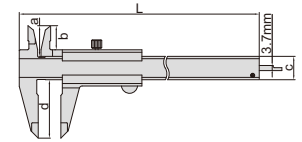


1205-1502S

POPULAR MODEL

Code	Range	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1205-1502S	0-150mm/0-6"	235	20.5	15.5	16	40	1901	1686
1205-2002S	0-200mm/0-8"	290	23.5	19	17	50	2865	2614
1205-3002S	0-300mm/0-12"	414	27.5	22	20	64	5311	4780

(mm)



VERNIER CALIPERS WITH FINE ADJUSTMENT

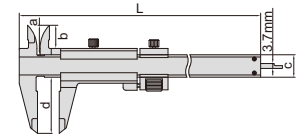
- Graduation: $0.02\text{mm}/0.001''$
- Accuracy: $\pm 0.03\text{mm}$
- With fine adjustment
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



1233-130

Code	Range	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1233-130	0-130mm/0-5"	230	20.5	16.5	16	40	2089	1764
1233-180	0-180mm/0-7"	295	23.5	19	16	50	3021	2654
1233-280	0-280mm/0-11"	410	26	20	20	60	5427	4805

(mm)



VERNIER CALIPERS WITH THUMB CLAMP

- Meet DIN862
- With thumb clamp
- Made of stainless steel
- Satin chrome plated reading surface

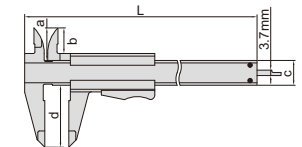


1223-1502

Graduation $0.02\text{mm}/0.001''$

Code	Range	Accuracy	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1223-1502	0-150mm/0-6"	$\pm 0.03\text{mm}$	230	20.5	16.5	16	40	1665	1582
1223-2002	0-200mm/0-8"	$\pm 0.03\text{mm}$	295	23.5	19	16	50	2548	2421

(mm)



VERNIER CALIPERS WITH CARBIDE TIPPED JAWS

- Carbide tipped jaws for inside and outside measurements
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

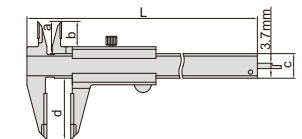


1238-1502

Graduation $0.02\text{mm}/0.001''$

Code	Range	Accuracy	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1238-1502	0-150mm/0-6"	$\pm 0.03\text{mm}$	230	21	16.5	16	40	8073	7831
1238-2002	0-200mm/0-8"	$\pm 0.03\text{mm}$	295	24	19	16	50	9441	9158
1238-3002	0-300mm/0-12"	$\pm 0.03\text{mm}$	410	25	20	17	60	15114	13603

(mm)



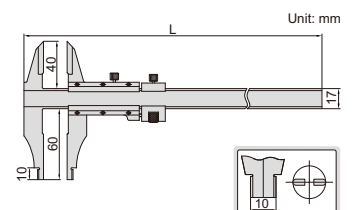
VERNIER CALIPER

- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



1217-3001

Code	Range	Graduation	Accuracy	L	List Price (₹)	Promotion Price (₹)
1217-3001	0-300mm	0.02mm	$\pm 0.03\text{mm}$	410mm	5769	4327



VERNIER CALIPERS (ANTI MAGNETIC)

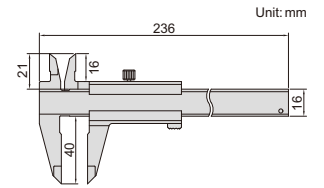
ATTENTION:
NOT HARDENED

PURE COPPER

- Suitable for magnetic parts
- Made of pure copper



1224-150A



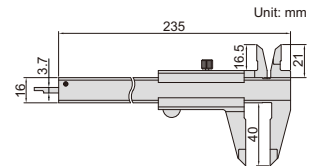
Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
1224-150A	0-150mm	0.02mm	±0.05mm	8801	8361

LEFT HAND VERNIER CALIPERS

- Designed for left handed users
- Made of stainless steel
- Satin chrome plated reading surface



1239-1502



Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
1239-1502	0-150mm/0-6"	0.02mm/0.001"	±0.03mm	3375	3206
1239-1501	0-150mm	0.02mm	±0.03mm	3238	3076

DEPTH BASE ATTACHMENTS

- To increase the stability of depth measurement
- Suitable for digital calipers and dial calipers
- Made of stainless steel
- Application: suitable for calipers with beam width (w) 16mm



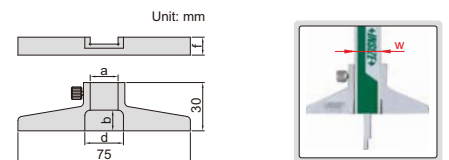
6140



6140-16B

Code	a	b	d	f	Type	List Price (₹)	Promotion Price (₹)
6140	16.5	9	18	6	narrow base (f=6)	866	784
6140-16B	16	12.5	24.5	11	wide base (f=11), high stability	1638	1477

(mm)

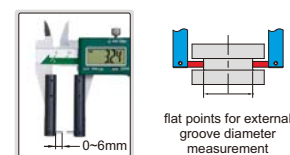
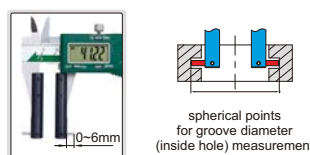
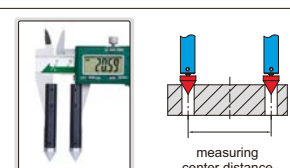
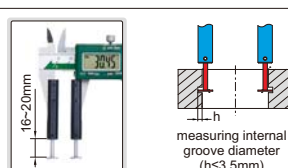
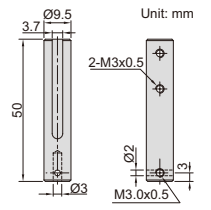
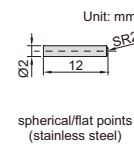
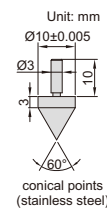
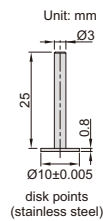


ACCESSORY SET FOR DIGITAL CALIPERS CODE 6144



6144

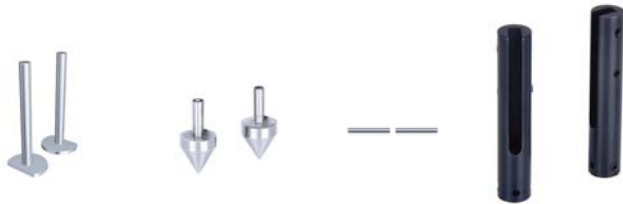
- Suitable for 0-150mm/0-6" and 0-200mm/0-8" digital calipers (thickness of lower jaws ≤ 3.7mm)



Code	List Price (₹)	Promotion Price (₹)
6144	3369	3094



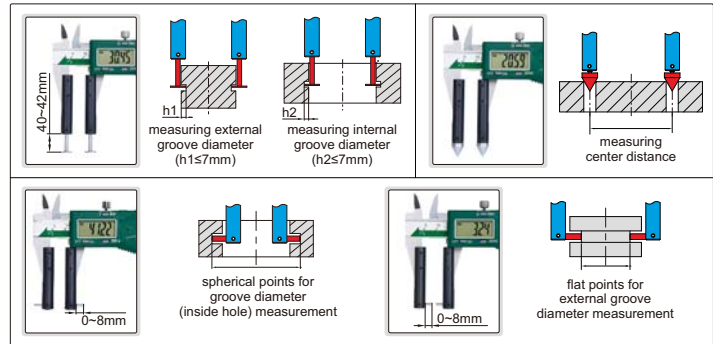
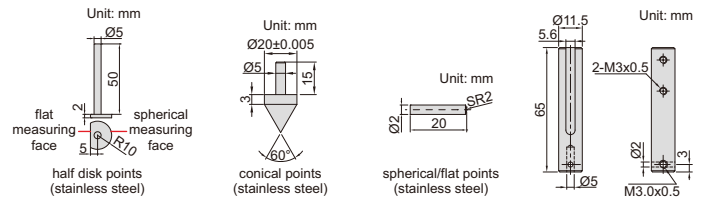
ACCESSORY SET FOR LARGE DIGITAL CALIPERS CODE 6145-500



6145-500

- Suitable for 0-500mm/0-20" and 0-600mm/0-24" digital calipers (thickness of lower jaws ≤ 5.6mm)

Code	List Price (₹)	Promotion Price (₹)
6145-500	10079	9071



DIGITAL CALIPERS

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)

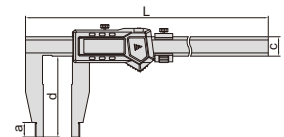
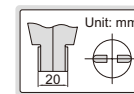


1106-501

(mm)

DATA OUTPUT

Code	Range	Accuracy	a	c	d	L	List Price (₹)	Promotion Price (₹)
1106-501	0-500mm/0-20"	±0.05mm	18	24	100	675	14720	12291
1106-601	0-600mm/0-24"	±0.05mm	18	24	100	770	18735	14056
1106-1002	0-1000mm/0-40"	±0.08mm	24	31	150	1220	41448	35583
1106-1502	0-1500mm/0-60"	±0.11mm	24	42	150	1780	95911	86320



DIGITAL CALIPERS

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)

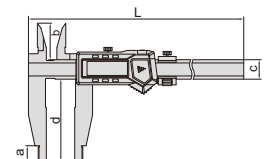
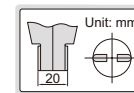


1136-501

(mm)

DATA OUTPUT

Code	Range	Accuracy	a	b	c	d	L	List Price (₹)	Promotion Price (₹)
1136-501	0-500mm/0-20"	±0.05mm	18	45	24	100	675	18664	18065
1136-601	0-600mm/0-24"	±0.05mm	18	45	24	100	770	24369	23320
1136-1002	0-1000mm/0-40"	±0.08mm	24	60	31	150	1220	51305	50279



DIGITAL CALIPERS

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)

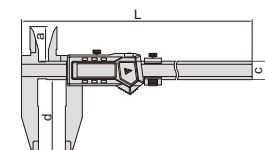


1135-601

(mm)

DATA OUTPUT

Code	Range	Accuracy	a	c	d	L	List Price (₹)	Promotion Price (₹)
1135-451	0-450mm/0-18"	±0.05mm	45	24	100	625	22741	20467
1135-601	0-600mm/0-24"	±0.05mm	45	24	100	770	26447	24202
1135-1002	0-1000mm/0-40"	±0.08mm	60	31	150	1220	59884	51500



VERNIER CALIPERS (SEPARATE TYPE)

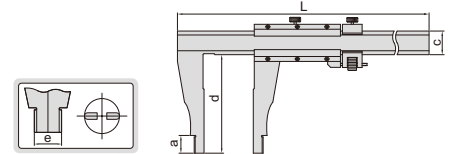
- Graduation: 0.02mm/0.001"
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



1214-500

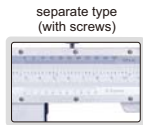
(mm)

Code	Range	Accuracy	a	c	d	e	L	List Price (₹)	Promotion Price (₹)
1214-500	0-500mm/0-20"	±0.05mm	18	24	100	20	670	9382	8336
1214-600	0-600mm/0-24"	±0.05mm	18	24	100	20	770	10614	9296
1214-1000	0-1000mm/0-40"	±0.08mm	24	32	140	20	1216	31670	26521
1214-1500	0-1500mm/0-60"	±0.12mm	24	42	200	20	1830	81352	78911
1214-2000	0-2000mm/0-80"	±0.14mm	24	42	200	20	2320	119667	113140



LONG JAW VERNIER CALIPERS (SEPARATE TYPE)

- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface

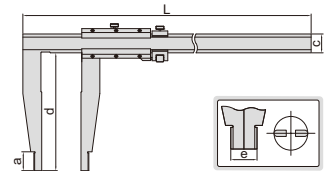


1215-1032

Graduation 0.02mm/0.001"

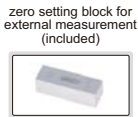
(mm)

Code	Range	Accuracy	a	c	d	e	L	List Price (₹)	Promotion Price (₹)
1215-522	0-500mm/0-20"	±0.06mm	18	24	150	20	670	13697	13286
1215-1032	0-1000mm/0-40"	±0.08mm	24	32	200	20	1220	41451	37306



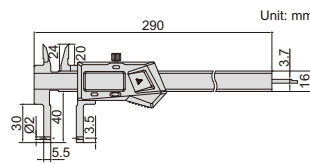
DIGITAL CALIPER WITH INTERCHANGEABLE POINTS CODE 1526-200

DATA OUTPUT

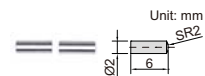


1526-200

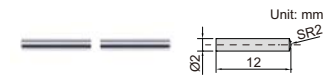
- Non waterproof
- Supplied with 3 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points, data output cable (code 7315-21, 7302-21)



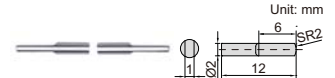
short spherical points (included)



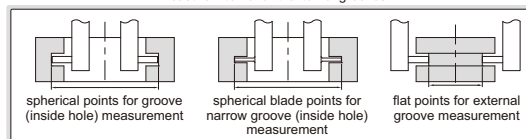
long spherical/flat points (included)



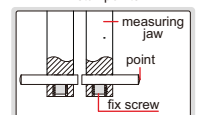
spherical blade points (included)



measure internal and external grooves



install points



Code	List Price (₹)	Promotion Price (₹)
1526-200	16617	14090

Point	Range	Accuracy	Application
short spherical points	12-212mm/0.5-8.5"(internal)	±0.03mm	for grooves inside small hole
long spherical/flat points	24-224mm/1-8.8"(internal) 0-187mm/0-7.5"(external)	±0.03mm	spherical points for grooves inside hole flat points for external grooves
spherical blade points	24-224mm/1-8.8"(internal) 0-187mm/0-7.5"(external)	±0.03mm	for narrow grooves inside hole

To be continued

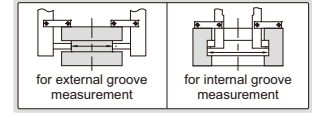
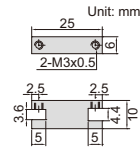
Continued from previous page

Depth stop (optional)

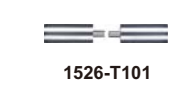
Code
6143



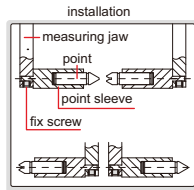
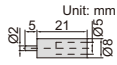
6143



Point sleeve (optional)



1526-T101



Code
1526-T101

Ball points (optional)



7391-T5



* It is necessary to use point sleeve (code 1526-T101) for these points
** Range of 1526-200 after installing the points and point sleeve

Code	Ball dia. (D)	Range **
7391-T3 *	SØ2.0mm	75-275mm/3.0-10.8" (internal) 0-146mm/0-5.7" (external)
7391-T4 *	SØ2.5mm	76-276mm/3.0-10.8" (internal) 0-145mm/0-5.7" (external)
7391-T5 *	SØ3.0mm	77-277mm/3.0-10.9" (internal) 0-144mm/0-5.6" (external)
7391-T6 *	SØ3.5mm	78-278mm/3.1-10.9" (internal) 0-143mm/0-5.6" (external)
7391-T7 *	SØ4.0mm	79-279mm/3.1-10.9" (internal) 0-142mm/0-5.6" (external)
7391-T8 *	SØ4.5mm	80-280mm/3.2-11.0" (internal) 0-141mm/0-5.5" (external)
7391-T9 *	SØ5.0mm	81-281mm/3.2-11.0" (internal) 0-140mm/0-5.5" (external)
7391-T10 *	SØ6.0mm	83-283mm/3.3-11.1" (internal) 0-138mm/0-5.4" (external)

Multifunctional points (optional)



7392-T1



7392-T2



7392-T3



7392-T4



7392-T5



7392-T6



7392-T7



7392-T8



7392-T9

Unit: mm

Code	Type
7392-T1 *	flat
7392-T2 *	spherical
7392-T3 *	spline

Code	Type
7392-T4 *	disk
7392-T5 *	blade
7392-T6 *	knife-edge

Code	Type
7392-T7 *	point
7392-T8 *	knife-edge
7392-T9 *	point

Range **
66-266mm/2.6-10.5" (internal) 0-155mm/0-6.1" (external)

* It is necessary to use point sleeve (code 1526-T101) for these points

** Range of 1526-200 after installing the points and point sleeve

Screw thread points (optional)



7321-T16



7381-T11

Internal thread (60° thread angle)

Code	Pitch
7321-T11 *	0.4-0.5mm/64-48TPI
7321-T12 *	0.6-0.9mm/44-28TPI
7321-T13 *	1-1.75mm/24-14TPI
7321-T14 *	2-3mm/13-9TPI
7321-T15 *	3.5-5mm/8-5TPI
7321-T16 *	5.5-7mm/4.5-3.5TPI
7321-T1S *	6 pairs/set, including all above points

External thread (60° thread angle)

Code	Pitch
7381-T11 *	0.4-0.5mm/64-48TPI
7381-T12 *	0.6-0.9mm/44-28TPI
7381-T13 *	1-1.75mm/24-14TPI
7381-T14 *	2-3mm/13-9TPI
7381-T15 *	3.5-5mm/8-5TPI
7381-T16 *	5.5-7mm/4.5-3.5TPI
7381-TS *	6 pairs/set, including all above points

Range **
66-266mm/2.6-10.5" (internal) 0-155mm/0-6.1" (external)

* It is necessary to use point sleeve (code 1526-T101) for these points

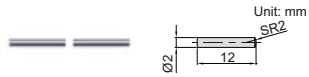
** Range of 1526-200 after installing the points and point sleeve

**DIGITAL CALIPER WITH INTERCHANGEABLE POINTS
CODE 1124-300A**

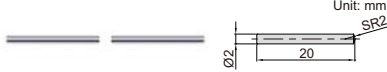


**DATA
OUTPUT**

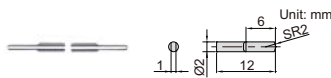
short spherical/flat points (included)



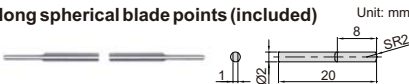
long spherical/flat points (included)



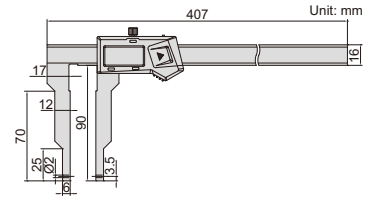
short spherical blade points (included)



long spherical blade points (included)



1124-300A



depth stop 6143 (optional)



preset buttons

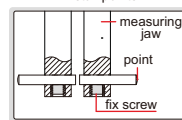


Code	List Price (₹)	Promotion Price (₹)
1124-300A	22908	20952

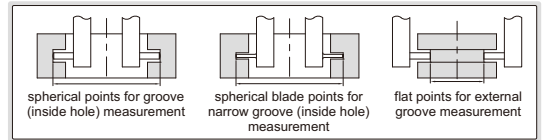
zero setting block for external measurement (included)



install points



measure internal and external grooves



- Non waterproof
- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points (code 1526-T101, 7392, 7391, 7381, 7321), depth stop (code 6143), data output cable (code 7315-21, 7302-21)

Point	Range	Accuracy	Application
short spherical/flat points	24-324mm/1-12.7" (internal) 0-288mm/0-11.3" (external)	±0.04mm	spherical points for grooves inside hole (small hole) flat points for external grooves
long spherical/flat points	40-340mm/1.5-13.3" (internal) 0-272mm/0-10.7" (external)	±0.04mm	spherical points for grooves inside hole (large hole) flat points for external grooves
short spherical blade points	24-324mm/1-12.7" (internal) 0-288mm/0-11.3" (external)	±0.04mm	for narrow grooves inside hole (small hole)
long spherical blade points	40-340mm/1.5-13.3" (internal) 0-272mm/0-10.7" (external)	±0.04mm	for narrow grooves inside hole (large hole)

Multifunctional points 7392* (optional)



Ball points 7391* (optional)



Screw thread points 7381*, 7321* (optional)



*It is necessary to use point sleeve (code 1526-T101) for these points

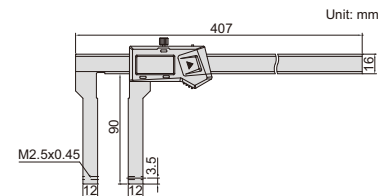
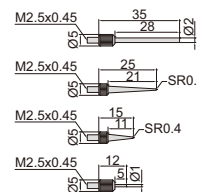
DIGITAL CALIPER WITH INTERCHANGEABLE POINTS

**VARIOUS POINTS
ARE AVAILABLE**

**DATA
OUTPUT**



1530-300



- Non waterproof
- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points, depth stop (code 6143), data output cable (code 7315-21, 7302-21)

preset buttons



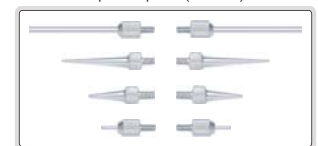
depth stop 6143 (optional)



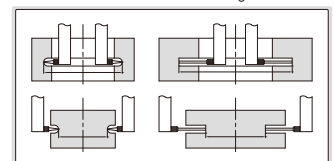
zero setting block for external measurement (included)



4 pairs of points (included)



measure internal and external grooves



Code	Range*	Accuracy	List Price (₹)	Promotion Price (₹)
1530-300	0-300mm/0-12"	±0.04mm	24243	22136

*For different points, the measuring range changes accordingly

UNIVERSAL CALIPER CODE 1125-600

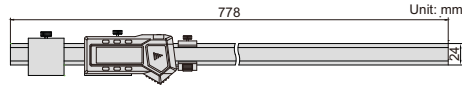


DATA
OUTPUT



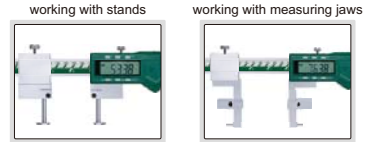
1125-600

- Non waterproof
- Buttons: on/off, set, mm/inch, ABS, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)

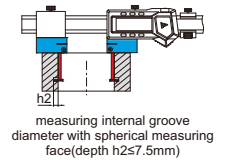
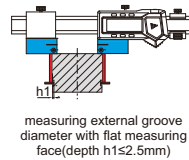
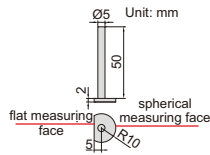


Code	Range*	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
1125-600	0-600mm/0-24"	0.01mm/0.0005"	±0.05mm	50638	48106

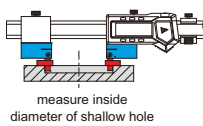
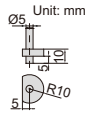
*The range changes according to different points



Half disk points (included)

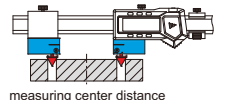
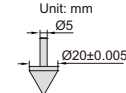


Round shoulder points (optional)



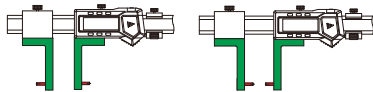
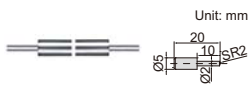
Code
1125-T102

Conical points (optional)

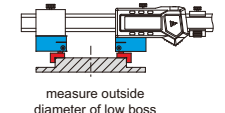
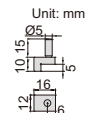


Code
1125-T101

Spherical points (included)

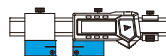
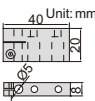


Flat shoulder points (optional)

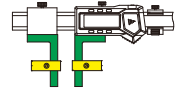
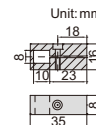


Code
1125-T103

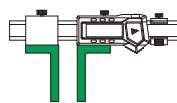
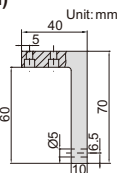
Stands (included)



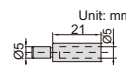
Depth stop (included)



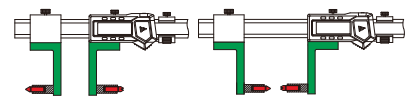
Measuring jaws (included)



Point sleeve (optional)



Code
1125-T104



working with multifunctional points, ball points and screw thread points

Multifunctional points 7392* (optional)



Ball points 7391* (optional)



Screw thread points 7381*, 7321* (optional)



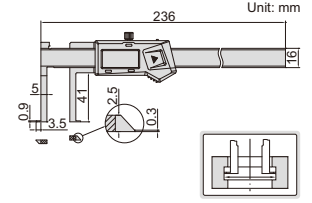
* It is necessary to use point sleeve (code 1125-T104) for these points

DIGITAL INSIDE GROOVE CALIPER

- Non waterproof
- Measure diameter of grooves inside small bores
- Accuracy: $\pm 0.04\text{mm}$
- Resolution: $0.01\text{mm}/0.0005"$
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21)



1520-150



DATA OUTPUT

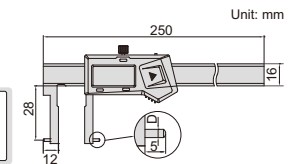
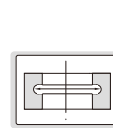
Code	Range	List Price (₹)	Promotion Price (₹)
1520-150	11-150mm/0.43-6"	8639	7187

DIGITAL INSIDE POINT CALIPER

- Non waterproof
- Measure groove diameter
- Resolution: $0.01\text{mm}/0.0005"$
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)



1121-150A



DATA OUTPUT

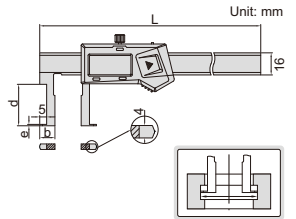
Code	Range	Accuracy	D	List Price (₹)	Promotion Price (₹)
1121-150A	24-150mm/0.94-6"	$\pm 0.04\text{mm}$	$\varnothing 2$	10123	7086

DIGITAL INSIDE GROOVE CALIPERS

- Non waterproof
- Measure groove diameter
- Resolution: $0.01\text{mm}/0.0005"$
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)



1120-150A



DATA OUTPUT

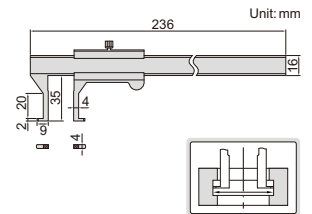
Code	Range	Accuracy	L	b	d	e	List Price (₹)	Promotion Price (₹)
1120-150A	22-150mm/0.87-6"	$\pm 0.04\text{mm}$	250	11	30	1	8765	6400
1120-200A	25-200mm/0.98-8"	$\pm 0.04\text{mm}$	310	12.5	40	1	10003	8503
1120-300A	30-300mm/1.18-12"	$\pm 0.05\text{mm}$	410	15	50	1.5	13188	11210

INSIDE GROOVE VERNIER CALIPER

- Accuracy: $\pm 0.04\text{mm}$
- Graduation: 0.02mm
- Measure diameter of grooves inside bores
- Made of stainless steel
- Satin chrome plated reading surface



1262-150A



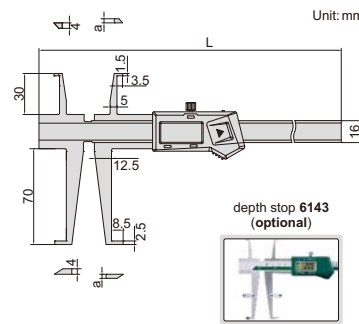
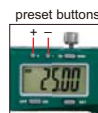
Code	Range	List Price (₹)	Promotion Price (₹)
1262-150A	18-150mm	10247	8514

DIGITAL INSIDE GROOVE CALIPERS

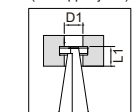
- Non waterproof
- Measure diameter of grooves inside bores
- Resolution: $0.01\text{mm}/0.0005"$
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)



1176-150

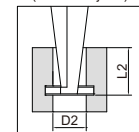


sizes to be measured (use upper jaws)



(mm)	
D1	L1
$\varnothing 9$	<8
$\varnothing 10$	<15
$\varnothing 11-200$	<30

sizes to be measured (use lower jaws)

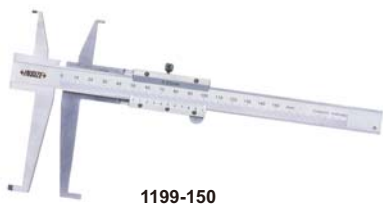


(mm)	
D2	L2
$\varnothing 17$	<16
$\varnothing 18$	<28
$\varnothing 19$	<40
$\varnothing 20$	<50
$\varnothing 21$	<58
$\varnothing 22-200$	<70

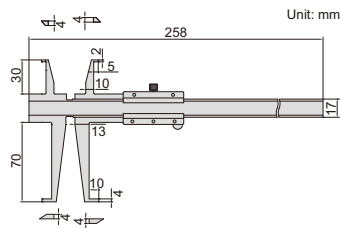
DATA OUTPUT

Code	Range of upper jaw	Range of lower jaw	Accuracy	L	a	List Price (₹)	Promotion Price (₹)
1176-150	9-150mm/0.35-6"	17-150mm/0.70-6"	$\pm 0.04\text{mm}$	260	3	13045	11351
1176-200	9-200mm/0.35-8"	17-200mm/0.70-8"	$\pm 0.05\text{mm}$	320	3.5	16293	14664

INSIDE GROOVE CALIPER



1199-150



depth stop 6143 (optional)



- Measure diameter of grooves inside bores
- Graduation: 0.02mm
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

Code	Range of upper jaw	Range of lower jaw	Accuracy	List Price (₹)	Promotion Price (₹)
1199-150	11-150mm	18-150mm	±0.03mm	10764	9787

sizes to be measured (use upper jaws)	(mm)	
	D1	L1
Ø11	<8	
Ø12	<10	
Ø13	<15	
Ø14	<20	
Ø15~150	<30	

sizes to be measured (use lower jaws)	(mm)	
	D2	L2
Ø18	<20	
Ø19	<28	
Ø20	<35	
Ø21	<40	
Ø22	<50	
Ø23~150	<70	

DIGITAL INSIDE GROOVE CALIPER

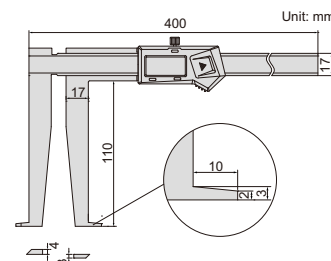
- Non waterproof
- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)



1178-300

DATA OUTPUT

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1178-300	25-300mm/1.18-12"	±0.05mm	18845	17232



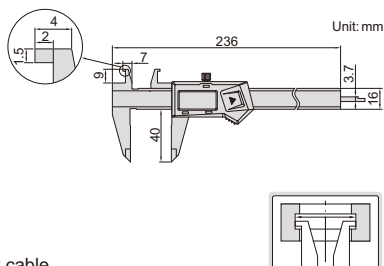
DIGITAL INSIDE GROOVE CALIPER

DATA OUTPUT



1191-150

- Non waterproof
- Accuracy: ±0.03mm
- Upper jaws for measuring diameter of grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



INSIDE GROOVE VERNIER CALIPER

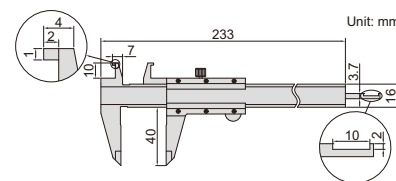
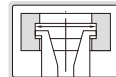


1291-150

measure depth of grooves (h<10mm)



measure diameter of grooves 8-150mm



- Accuracy: ±0.03mm
- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range of upper jaw	Range of lower jaw	List Price (₹)	Promotion Price (₹)
1191-150	8-150mm/0.3-6"	0-150mm/0-6"	18332	16746

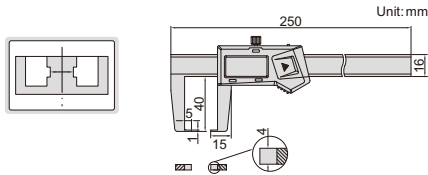
Code	Range of upper jaw	Range of lower jaw	List Price (₹)	Promotion Price (₹)
1291-150	8-150mm	0-150mm	4700	4465

DIGITAL OUTSIDE NECK CALIPER

DATA OUTPUT



1187-150A



depth stop 6143 (optional)



- Non waterproof
- Measure grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)

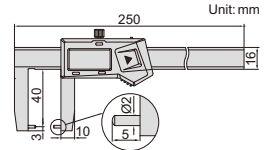
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1187-150A	0-150mm/0-6"	±0.04mm	6772	6194

DIGITAL OUTSIDE POINT CALIPER

DATA OUTPUT



1185-150A



depth stop 6143 (optional)



- Non waterproof
- Measure wall thickness inside bores and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7315-21, 7302-21)

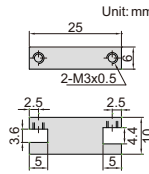
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1185-150A	0-150mm/0-6"	±0.04mm	7457	6711

DEPTH STOP FOR CALIPERS

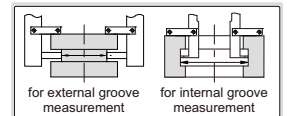
- Supplied in pairs
- Made of stainless steel
- Suitable for caliper series 1124, 1526, 1530, 1520, 1176, 1178, 1120, 1121, 1187 and 1185



6143



application



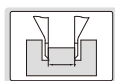
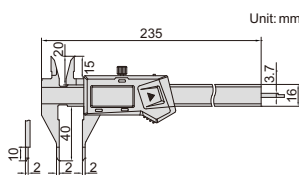
Code	List Price (₹)	Promotion Price (₹)
6143	747	672

DIGITAL SMALL POINT CALIPER

DATA OUTPUT



1169-150



- Non waterproof
- Small pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

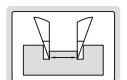
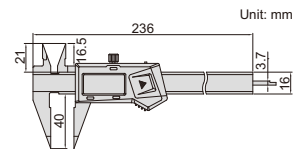
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1169-150	0-150mm/0-6"	±0.03mm	5641	5077

DIGITAL POINT CALIPER

DATA OUTPUT



1183-150A



- Non waterproof
- Pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1183-150A	0-150mm/0-6"	±0.03mm	5590	4472

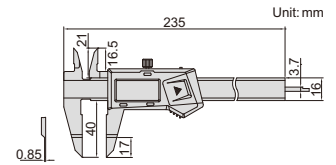
DIGITAL BLADE CALIPER

- Non waterproof
- The blade jaws fit into small grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

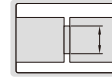


1188-150A

DATA OUTPUT



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1188-150A	0-150mm/0-6"	±0.03mm	5937	5441



DIGITAL OFFSET CENTERLINE CALIPERS

- Non waterproof
- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel



1192-150A

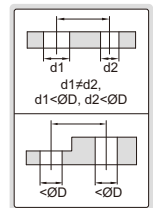
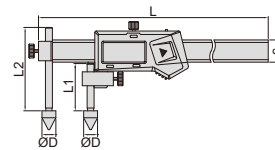
DATA OUTPUT

With data interface (data output cable code 7315-21, 7302-21, optional) (mm)

Code	Range	Accuracy	c	ØD	L1	L2	L	List Price (₹)	Promotion Price (₹)
1192-150A	10-150mm/0.4-6"	±0.05mm	16	10	46	79	236	14401	12900
1192-300A	10-300mm/0.4-12"	±0.09mm	16	10	46	79	396	20569	18412

With data interface (data output cable code 7315-22, 7302-22, optional) (mm)

Code	Range	Accuracy	c	ØD	L1	L2	L	List Price (₹)	Promotion Price (₹)
1192-500A	20-500mm/0.8-20"	±0.09mm	24	20	52	112	725	43113	38430



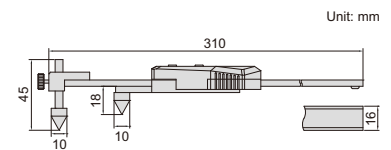
DIGITAL BACK-JAW CENTERLINE CALIPER

- Non waterproof
- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

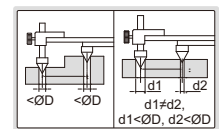


1177-200

DATA OUTPUT



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1177-200	10-200mm/0.4-8"	±0.10mm	15905	14315



DIGITAL BACK-JAW EDGE TO CENTER CALIPERS

- Non waterproof
- Measure edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

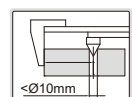
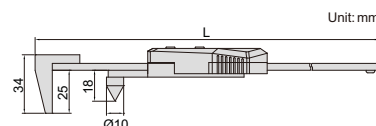


1524-200

DATA OUTPUT



Code	Range	Accuracy	L	List Price (₹)	Promotion Price (₹)
1524-200	5-200mm/0.2-8"	±0.1mm	310mm	18574	16717
1524-300	5-300mm/0.2-12"	±0.1mm	410mm	22046	19841



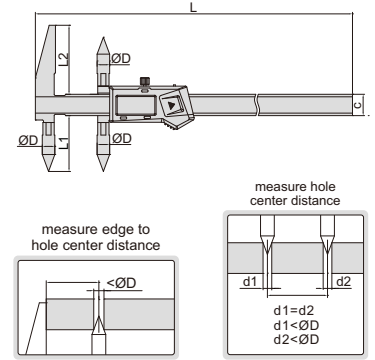
DIGITAL CENTERLINE AND EDGE TO CENTER CALIPERS

DATA OUTPUT

- Non waterproof
- Measure hole center distance or edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel



1525-300



With data interface

Code	Range of upper jaw (edge to center)	Range of lower jaw (center to center)	Accuracy	ØD	L1	L2	c	L	Data output cable (optional)	List Price (₹)	Promotion Price (₹)
1525-300	5-300mm/0.2-12"	10-300mm/0.4-12"	±0.08mm	10	44.5	55	17	410	7315-21, 7302-21	22303	20446
1525-500	10-500mm/0.4-20"	20-50mm/0.8-20"	±0.09mm	20	50	60	24	690	7315-22, 7302-22	60021	54019
1525-1000	15-1000mm/0.6-40"	30-1000mm/1.2-40"	±0.12mm	30	70	81	31	1255	7315-22, 7302-22	90166	81149
1525-1500	15-1500mm/0.6-60"	30-1500mm/1.2-60"	±0.15mm	30	70	81	31	1760	7315-22, 7302-22	145999	131399

(mm)

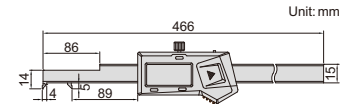
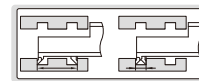
DIGITAL HOOK CALIPER

DATA OUTPUT

- Non waterproof
- Accuracy: ±0.04mm
- Measure width and distance of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1122-300



Code	Range	List Price (₹)	Promotion Price (₹)
1122-300	4-300mm/0.16-12"	19305	17636

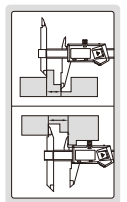
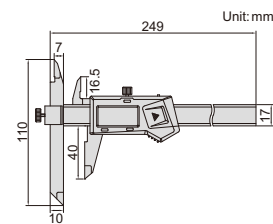
DIGITAL OFFSET CALIPER

DATA OUTPUT

- Non waterproof
- The left jaw can slide up and down to facilitate measurement of stepped sections
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1186-150A



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1186-150A	0-150mm/0-6"	±0.04mm	11893	10892

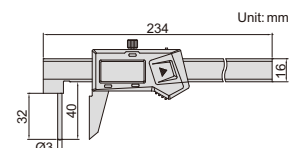
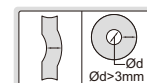
DIGITAL TUBE THICKNESS CALIPER

DATA OUTPUT

- Non waterproof
- Measure wall thickness of tubes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1161-150A



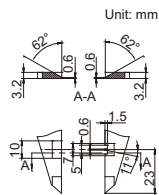
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1161-150A	0-150mm/0-6"	±0.05mm	9068	7824

DIGITAL CRIMP HEIGHT CALIPER

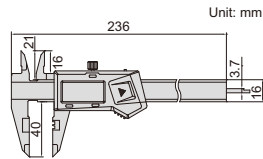
DATA OUTPUT



1165-150A



Unit: mm



Unit: mm

- Non waterproof
- Measure crimp height
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1165-150A	0-150mm/0-6"	±0.03mm	8693	7824

DIGITAL CALIPER WITH LARGE MEASURING FACES

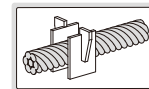
DATA OUTPUT



1172-200



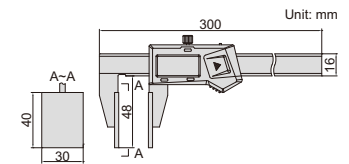
measure diameter of wire ropes



measure thickness of rubber, sponge, etc.



- Non waterproof
- Measure diameter of wire ropes, and thickness of soft materials like rubber, sponge, etc.
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



Unit: mm

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1172-200	0-200mm/0-8"	±0.07mm	18229	16406

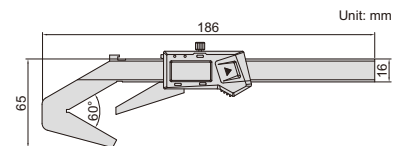
DIGITAL V SHAPE CALIPER

ATTENTION: ACTUAL DIAMETER IS 2/3 OF THE READING

- Non waterproof
- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032, data output
- Automatic power off, move the digital unit to turn on power
- Made of stainless steel



1539-3



Unit: mm

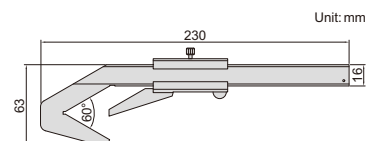
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1539-3	∅4-40mm/0.16-1.58" DIA	±0.03mm	14618	13353

V SHAPE VERNIER CALIPER

- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface



1273-403



Unit: mm

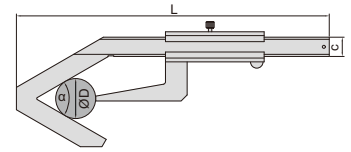
Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
1273-403	∅4-40mm	0.05mm	±0.05mm	7138	6470

V SHAPE VERNIER CALIPERS

- Measure outside diameter of odd number of flutes (such as taps, reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface
- Optional accessory: 4mm pin gage (code 4110-4D00), Ø50mm calibration cylinder (code 6316-50)



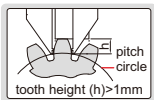
1229-3



Code	Range (ØD)	Graduation	Accuracy	Flutes	Angle α	L	c	List Price (₹)	Promotion Price (₹)
1229-3	Ø4-60mm	0.02mm	±0.04mm	3	60°	260mm	16mm	13016	11714
1229-35	Ø50-200mm	0.02mm	±0.06mm	3	60°	516mm	20mm	30154	27139
1229-5	Ø4-60mm	0.02mm	±0.04mm	5	108°	210mm	16mm	13016	11714
1229-55	Ø50-200mm	0.02mm	±0.06mm	5	108°	360mm	20mm	30154	27139

DIGITAL GEAR TOOTH CALIPERS

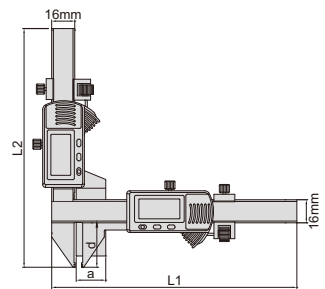
ATTENTION: NO DATA OUTPUT



- Non waterproof
- Resolution: 0.01mm/0.0005"
- Accuracy of height measurement: ±0.03mm
- Accuracy of thickness measurement: ±0.03mm
- Carbide tips
- Measure the tooth thickness by positioning the tooth height (for tooth height > 1mm)
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



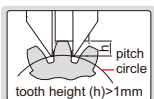
1181-M25A



(mm)

Code	Range	Total accuracy	L1	L2	a	d	List Price (₹)	Promotion Price (₹)
1181-M25A	M1-25mm	±0.04mm	170	165.5	21	30.5	20445	18676
1181-M50A	M5-50mm	±0.04mm	220	190	50.5	55	23982	21908

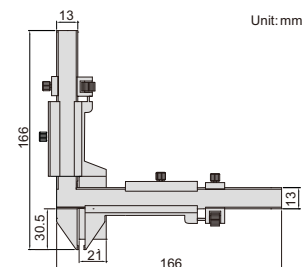
GEAR TOOTH VERNIER CALIPER



- Graduation: 0.02mm
- Total accuracy: ±0.04mm
- Carbide tips
- Measure the tooth thickness by positioning the tooth height (for tooth height > 1mm)
- Made of stainless steel
- Satin chrome plated reading surface



1281-M26A



Code	Range	Accuracy of height measurement	Accuracy of thickness measurement	List Price (₹)	Promotion Price (₹)
1281-M26A	M1-26mm	±0.03mm	±0.03mm	14645	13404



Digital Depth Gages
Page 25-26



Dial Depth Gages
Page 27



Vernier Depth Gages
Page 27



Extension Bases
Page 27



Mini Depth Gages
Page 27-28



Depth Gages
Page 28-29



Depth Micrometers
Page 29

IP67 WATERPROOF DIGITAL DEPTH GAGES

ATTENTION: IT IS NECESSARY TO SET ZERO AFTER POWER ON EACH TIME

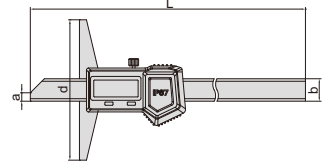
IP67
WATERPROOF

ATTENTION: NO DATA OUTPUT

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Meet DIN862
- Battery CR2032
- Made of stainless steel



1149-150



(mm)

Code	Range	Accuracy	L	a	b	d	List Price (₹)	Promotion Price (₹)
1149-150	0-150mm/0-6"	±0.03mm	240	6	16	100	11766	9977
1149-200	0-200mm/0-8"	±0.03mm	290	6	16	100	16082	13653
1149-300	0-300mm/0-12"	±0.03mm	390	6	16	150	20882	17682

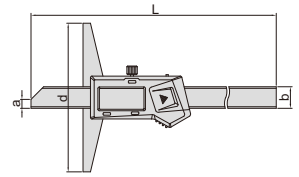
DIGITAL DEPTH GAGES (STANDARD TYPE)

DATA OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862 (except 0-500mm/0-20")
- Battery CR2032, data output
- Made of stainless steel



1141-150A



(mm)

Code	Range	Accuracy	L	a	b	d	Data output cable (optional)	List Price (₹)	Promotion Price (₹)
1141-150A	0-150mm/0-6"	±0.03mm	230	6	14.5	100	7315-21, 7302-21	3799	3090
1141-200A	0-200mm/0-8"	±0.03mm	280	6	14.5	100	7315-21, 7302-21	4612	3752
1141-300A	0-300mm/0-12"	±0.03mm	380	6	14.5	150	7315-21, 7302-21	9506	7766
1141-500A	0-500mm/0-20"	±0.05mm	585	7	15	150	7315-22, 7302-22	19153	16472
1141-5001A	0-500mm/0-20"	±0.05mm	585	7	15	200	7315-22, 7302-22	29148	26233

POPULAR MODEL

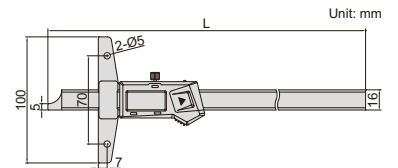
DIGITAL DEPTH GAGES WITH MOUNTING HOLES FOR EXTENSION BASE

DATA OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21), extension base (code 6141)



1147-300



Code	Range	Accuracy	L	List Price (₹)	Promotion Price (₹)
1147-150	0-150mm/0-6"	±0.03mm	237mm	5492	4668
1147-200	0-200mm/0-8"	±0.03mm	287mm	6842	5816
1147-300	0-300mm/0-12"	±0.03mm	403mm	11523	8642

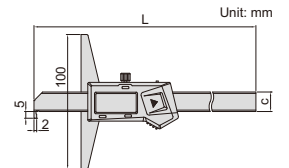
DIGITAL HOOK DEPTH GAGES

DATA OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

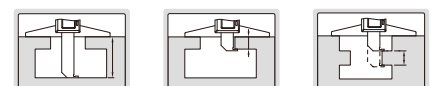


1142-150A



(mm)

Code	Range	Accuracy	L	c	List Price (₹)	Promotion Price (₹)
1142-150A	0-150mm/0-6"	±0.03mm	230	14.5	5567	4732
1142-200A	0-200mm/0-8"	±0.03mm	280	14.5	6813	5927



DIGITAL DOUBLE HOOK DEPTH GAGES

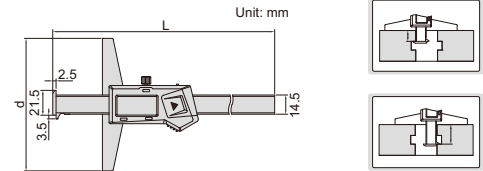
DATA OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1144-150A

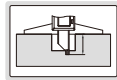
Code	Range	Accuracy	L	d	List Price (₹)	Promotion Price (₹)
1144-150A	0-150mm/0-6"	±0.03mm	233	100	5924	5412
1144-200A	0-200mm/0-8"	±0.03mm	283	100	7008	6307
1144-300A	0-300mm/0-12"	±0.03mm	383	150	13922	12530



DIGITAL POINT DEPTH GAGE

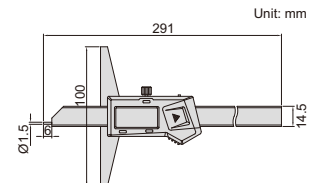
DATA OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1143-200A

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1143-200A	0-200mm/0-8"	±0.03mm	8008	7207



DIGITAL DEPTH GAGE WITH ROUND DEPTH BAR

MEASURE DEPTH OF SMALL HOLES (>Ø4mm)

DATA OUTPUT

MEASURE WIDTH AND DEPTH OF GROOVES INSIDE BORE

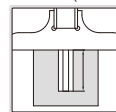


1148-200

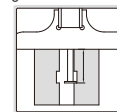


- Non waterproof
- Resolution: 0.01mm/0.0005"
- Supplied with three interchangeable points (flat, spherical, disk)
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21), extension base (code 6141)

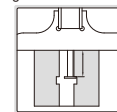
measure depth of small holes (>Ø4mm)



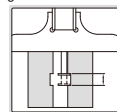
measure depth of grooves inside bore



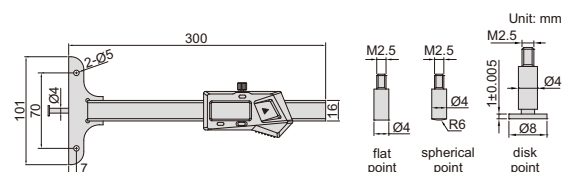
measure depth of grooves inside bore



measure width of grooves inside bore



Code	Range*	Accuracy	Remark	List Price (₹)	Promotion Price (₹)
1148-200	0-200mm/0-8"	±0.03mm	with mounting holes for extension base	16864	15205



*When disk points are used, the range is reduced by 10mm

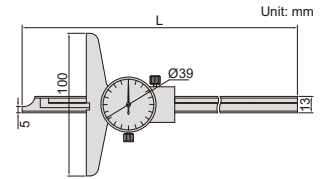
DIAL DEPTH GAGES

SHOCK PROOF

- Shockproof dial indicator
- Made of stainless steel



1340-150



Unit: mm

Code	Range	Graduation	Accuracy	L	List Price (₹)	Promotion Price (₹)
1340-150	0-150mm	0.02mm	±0.03mm	232mm	3366	3080
1340-200	0-200mm	0.02mm	±0.03mm	282mm	3685	3371
1340-300	0-300mm	0.02mm	±0.04mm	382mm	4696	4256

VERNIER DEPTH GAGES (STANDARD TYPE)

POPULAR MODEL

- Made of stainless steel
- Satin chrome plated reading surface

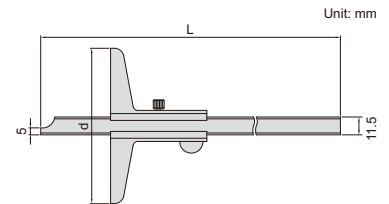


1240-2001

Graduation: 0.02mm

(mm)

Code	Range	Accuracy	L	d	List Price (₹)	Promotion Price (₹)
1240-1501	0-150mm	±0.03mm	245	100	2365	1999
1240-2001	0-200mm	±0.03mm	282	100	2447	2207
1240-3001	0-300mm	±0.04mm	382	100	3170	2858
1240-5001	0-500mm	±0.05mm	585	150	6247	5935



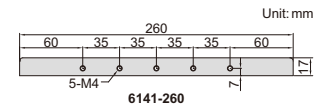
Unit: mm

EXTENSION BASES

- Supplied with two screws
- Made of stainless steel
- Suitable for depth gages series 1147, 1148, 1247, 1248 and 1249

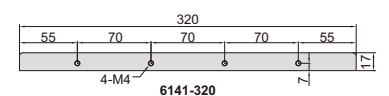
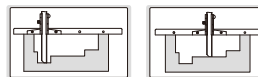


6141-260



Unit: mm

Code	Length	List Price (₹)	Promotion Price (₹)
6141-260	260mm	1916	1724
6141-320	320mm	2492	2243



Unit: mm

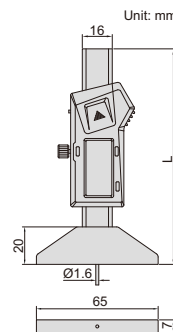
MINI DIGITAL DEPTH GAGES WITH ROUND BAR

DATA OUTPUT

- Non waterproof
- Measure depth of small groove and hole
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+,-)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel



1140-25



Unit: mm



With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy	L	List Price (₹)	Promotion Price (₹)
1140-25	0-25mm/0-1"	±0.02mm	114mm	6904	4407
1140-50	0-50mm/0-2"	±0.02mm	140mm	7724	6952
1140-100	0-100mm/0-4"	±0.02mm	190mm	11499	10349
1140-150	0-150mm/0-6"	±0.03mm	236mm	13534	12181

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

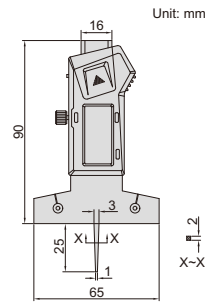
Code	Range	Accuracy	L	List Price (₹)	Promotion Price (₹)
1140-25WL	0-25mm/0-1"	±0.02mm	114mm	11969	10772
1140-50WL	0-50mm/0-2"	±0.02mm	140mm	10711	9640
1140-100WL	0-100mm/0-4"	±0.02mm	190mm	15823	14241
1140-150WL	0-150mm/0-6"	±0.03mm	236mm	17829	16046

MINI DIGITAL DEPTH GAGE

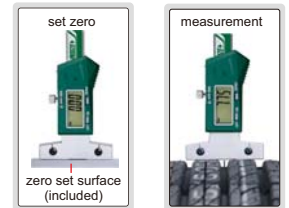
- Non waterproof
- Measure depth of small groove and hole, also measure depth of tire tread
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Supplied with zero set surface
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



1145-25A



DATA OUTPUT



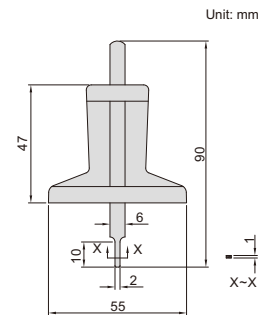
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1145-25A	0-25mm/0-1"	±0.03mm	4424	3211

MINI VERNIER DEPTH GAGE (ECONOMIC TYPE)

- Graduation: 0.1mm
- Made of stainless steel



1244-30



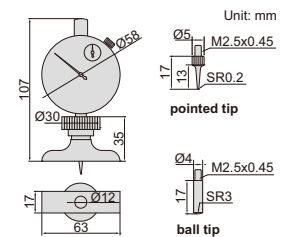
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1244-30	0-30mm	±0.10mm	1021	926

DIAL DEPTH GAGE

- Dial indicator graduation: 0.01mm
- Stainless steel base
- Supplied with pointed tip and ball tip



2341-101A

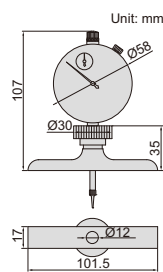


Code	Range	Dial indicator stroke	Accuracy	List Price (₹)	Promotion Price (₹)
2341-101A	0-10mm	10mm	±0.017mm	4821	4212

DIAL DEPTH GAGE

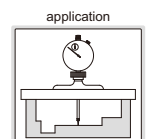
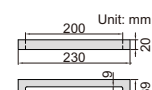
- Accuracy: ±0.03mm
- Dial indicator stroke: 30mm
- Dial indicator graduation: 0.01mm
- Stainless steel base
- Extension rods: 25mm (1 pc), 50mm (1 pc), 75mm (1 pc), 100mm (2 pcs)
- Supplied with pointed tip and ball tip
- Optional accessory: granite extension holder (code 2141-10)

Code	Range	Base	List Price (₹)	Promotion Price (₹)
2342-202	0-300mm	101.5x17mm	9052	7768



2342-202

2141-10 (optional), can be customized according to workpieces



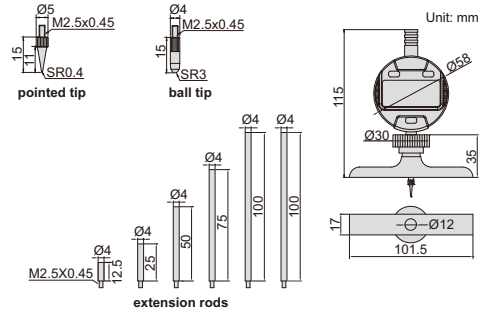
DIGITAL DEPTH GAGE

DATA OUTPUT

- Digital indicator stroke: 12.7mm/0.5"
- Digital indicator resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset, change measuring direction
- CR2032 battery, data output
- Automatic power off (time is adjustable)
- Stainless steel base
- Extension rods: 12.5mm (1 pc), 25mm (1 pc), 50mm (1 pc), 75mm (1 pc), 100mm (2 pcs)
- Supplied with pointed tip and ball tip
- Optional accessory: data output cable (code 7315-50M, 7302-40M), granite extension holder (code 2141-10)

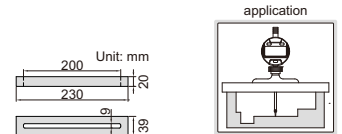


2141-202A



Code	Range	Accuracy	Base	List Price (₹)	Promotion Price (₹)
2141-202A	0-300mm/0-12"	$\pm 20\mu\text{m}$	101.5x17mm	11132	8503

2141-10 (optional), can be customized according to workpieces



DIGITAL DEPTH MICROMETERS

DATA OUTPUT

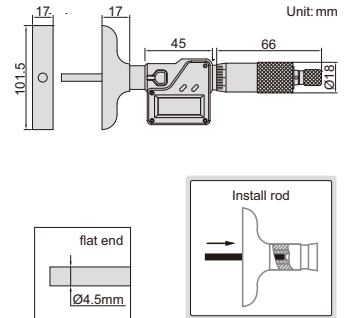
IP65 WATERPROOF

- Micrometer head accuracy: $\pm 3\mu\text{m}$
- Rod accuracy: $\pm (2+L/75)\mu\text{m}$, L is the measuring range in mm
- Button function: on/off, set, mm/inch, data transmit
- IP65 dust/waterproof
- Data output
- Automatic power off
- Rods with flat end
- Ratchet stop
- Optional accessory: data output cable (code 7315-31, 7302-30)



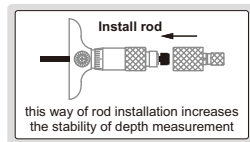
3540-50

Code	Range	Resolution	Rods	List Price (₹)	Promotion Price (₹)
3540-50	0-50mm/0-2"	0.001mm/0.00005"	2 pcs	15760	12608
3540-100	0-100mm/0-4"	0.001mm/0.00005"	4 pcs	21479	17183



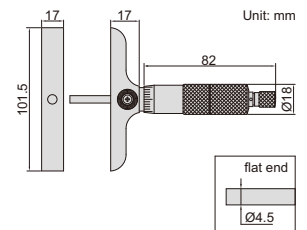
DEPTH MICROMETERS

- Meet DIN863-2
- Micrometer head accuracy: $\pm 3\mu\text{m}$
- Rod accuracy: $\pm (2+L/75)\mu\text{m}$, L is the measuring range in mm
- Rods with flat end
- Ratchet stop



3241-150

Code	Range	Rods	Graduation	List Price (₹)	Promotion Price (₹)
3241-150	0-150mm	6 pcs	0.01mm	9595	8392
3241-300	0-300mm	12 pcs	0.01mm	15309	13592



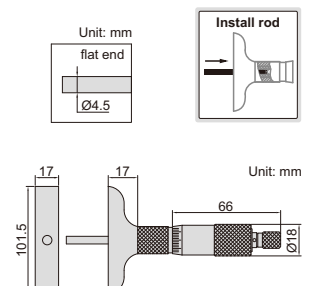
DEPTH MICROMETERS

- Graduation: 0.01mm
- Meet DIN863-2
- Micrometer head accuracy: $\pm 3\mu\text{m}$
- Rod accuracy: $\pm (2+L/75)\mu\text{m}$, L is the measuring range in mm
- Rods with flat end
- Ratchet stop



3240-25

Code	Range	Rods	List Price (₹)	Promotion Price (₹)
3240-25	0-25mm	1 pc	3447	3148
3240-100	0-100mm	4 pcs	5623	4970





Digital Height Gages
Page 31



Height Gages
Page 32-34



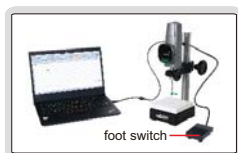
Mini Digital Height Gages
Page 34

HIGH PRECISION DIGITAL HEIGHT GAGES

DATA OUTPUT



power supplied by charge pal



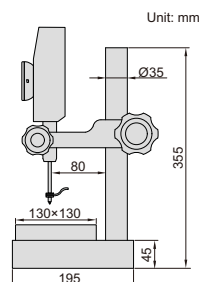
foot switch

data transmitted to Excel without software; short press the foot switch to transmit data, long press to zero



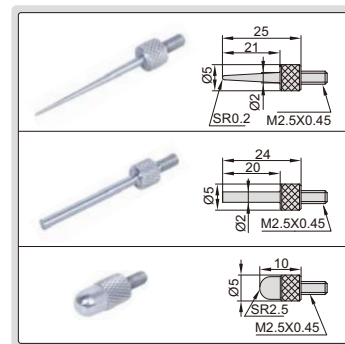
LED display
on/off, zero
mm/inch
ceramic base (wear off and corrosion resistance)
spindle lift knob

1155-505



Unit: mm

measuring tips (included) Unit: mm



- Range: 0~50mm
- Measuring force: 0.8~1.2N
- Power supply: 5V/1A (adapter or charge pal)
- High stability, high precision, high response speed (5000mm/s)
- High brightness LED display
- Ceramic base flatness: 1µm

Code	Resolution	Accuracy (20°C)	Output	List Price (₹)	Promotion Price (₹)
1155-505	0.5µm/0.00002" (can switch to:1µm/0.00005")	1.5µm	USB	178621	169690
1155-510	0.1µm/0.000005" (can switch to:1µm/0.00005")	1µm	USB	241941	229844

STANDARD DELIVERY

Main unit	1 pc
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VIDEO

OPTIONAL ACCESSORY

Contact point	code 6282
Charge pal	1155-5-POB
Data output cable (including foot switch)	1155-5-FOS

DIGITAL HEIGHT GAGE

DATA OUTPUT



power supplied by charge pal



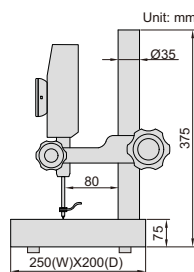
foot switch

data transmitted to Excel without software



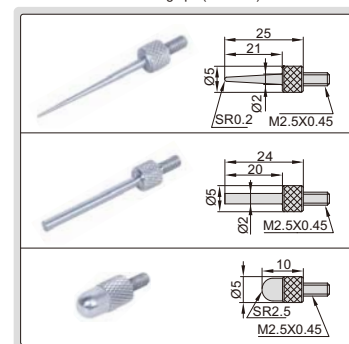
LED display
granite base
spindle lift knob

1157-501



Unit: mm

measuring tips (included) Unit: mm



- Measuring force: 0.8~1.2N
- Power supply: 5V/1A (adapter or charge pal)
- Buttons: on/off, zero, mm/inch, mix/min/mix-min
- High response speed (5000mm/s)
- High brightness LED display

Code	Range	Resolution	Accuracy (20°C)	Output	Base	List Price (₹)	Promotion Price (₹)
1157-501	0~50mm	1µm/0.00005"	3µm	USB	granite (flatness: 2µm)	100423	91948

OPTIONAL ACCESSORY

Contact point	code 6282
Charge pal	1155-5-POB
Data output cable (including foot switch)	1155-5-FOS

STANDARD DELIVERY

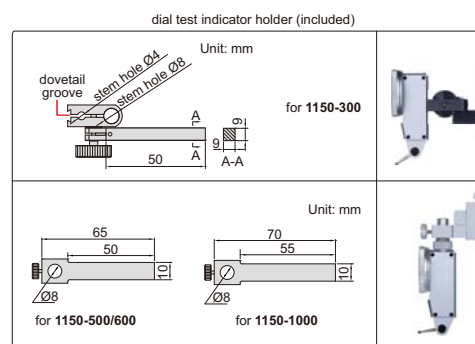
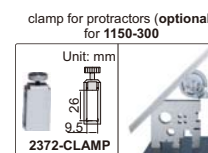
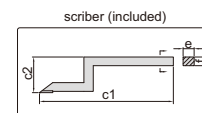
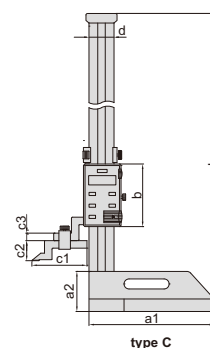
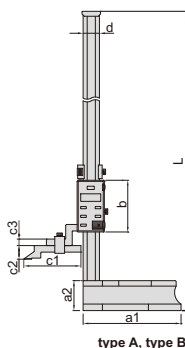
Main unit	1 pc
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VIDEO

DIGITAL HEIGHT GAGES

DATA OUTPUT



- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- ABS/INC is for absolute and incremental measurement
- TOL is for tolerance measurement
- Carbide tipped scriber
- Made of stainless steel (except the base)
- LR44 battery, data output
- Supplied with dial test indicator holder
- Supplied with dust cover
- Optional accessory: wireless transmitter (code 7315-1150), data output cable (code 7302-SPC7, keyboard format), clamp for protractors (code 2372-CLAMP, for 1150-300)

Code	Range	Type	Accuracy	L	a1	a2	b	c1	c2	c3	d	e	f	List Price (₹)	Promotion Price (₹)
1150-300	0-300mm/0-12"	A	±0.04mm	485	138	45	95	80	30	10	28	9	9	21502	14980
1150-500	0-500mm/0-20"	B	±0.06mm	720	180	55	95	103	25	12	30	10	12	25853	23268
1150-600	0-600mm/0-24"	B	±0.06mm	820	180	55	95	103	25	12	30	10	12	34036	30632
1150-1000	0-1000mm/0-40"	C	±0.08mm	1275	250	80	125	110	39	15	50	10	15	75813	68232

DIGITAL HEIGHT GAGES WITH DRIVING WHEEL

INSPECTION CERTIFICATE

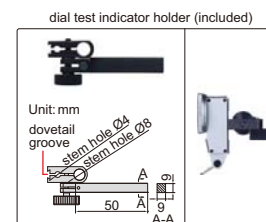
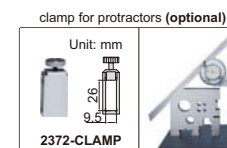
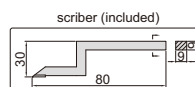
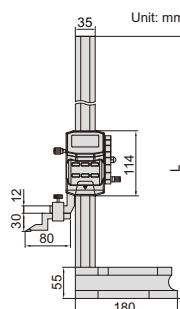
DATA OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, preset (+, -), ABS/INC
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032, data output
- Supplied with dust cover
- With dial test indicator holder
- Optional accessory: data output cable (code 7315-22, 7302-22), clamp for protractors (code 2372-CLAMP)

POPULAR MODEL



1156-300



Code	Range	Accuracy	L	List Price (₹)	Promotion Price (₹)
1156-300*	0-300mm/0-12"	±0.03mm	515mm	24318	21618
1156-600*	0-600mm/0-24"	±0.05mm	815mm	38129	33774

*Supplied with manufacturer inspection certificate

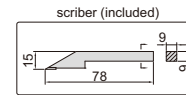
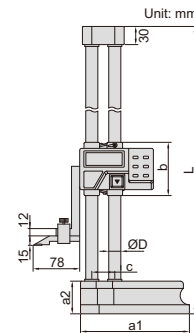
DIGITAL HEIGHT GAGES

DATA OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, data hold, ABS/INC, preset
- ABS/INC is for absolute and incremental measurement
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032, data output
- With driving wheel
- With dial test indicator holder
- Supplied with dust cover
- Optional accessory: clamp for protractors (code 2372-CLAMP), wireless transmitter (code 7315-1151), data output cable (code 7302-1151, keyboard format)



1151-300A

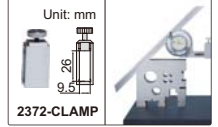


scraper (included)

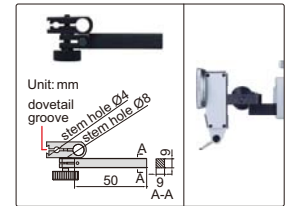
driving wheel on the back



clamp for protractors (optional)



dial test indicator holder (included)



(mm)

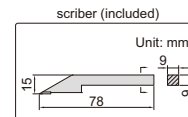
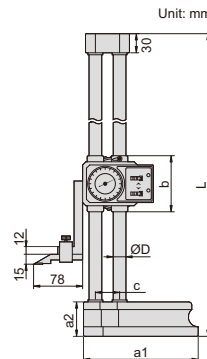
Code	Range	Accuracy	L	a1	a2	b	c	ØD	List Price (₹)	Promotion Price (₹)
1151-300A	0-300mm/0-12"	±0.04mm	475	135	43	84	33	15	32874	31559
1151-600A	0-600mm/0-24"	±0.05mm	810	180	54	88	38	20	51085	49042

DIAL HEIGHT GAGES

- Dial indicator graduation: 0.01mm
- One counter reads in the plus direction and another in the minus direction, so incremental measurement can be made in either direction
- Carbide tipped scriber
- Made of stainless steel (except the base)
- With driving wheel
- With dial test indicator holder
- Supplied with dust cover
- Optional accessory: clamp for protractors (code 2372-CLAMP)



1351-300

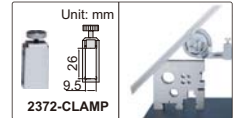


scraper (included)

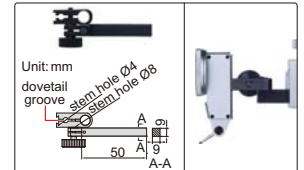
driving wheel on the back



clamp for protractors (optional)



dial test indicator holder (included)



(mm)

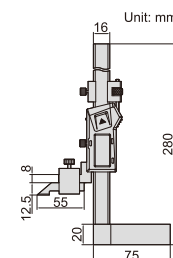
Code	Range	Accuracy	L	a1	a2	b	c	ØD	List Price (₹)	Promotion Price (₹)
1351-300	0-300mm	±0.04mm	475	135	43	84	33	15	18609	17865
1351-600	0-600mm	±0.05mm	810	180	54	88	38	20	34540	33504

MINI DIGITAL HEIGHT GAGE

- Non waterproof
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- With fine adjustment
- Made of stainless steel
- Battery CR2032, data output
- Optional accessory: data output cable (code 7315-21, 7302-21), dial test indicator holder (code 7151-CL1)

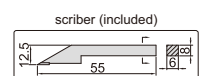


1154-150



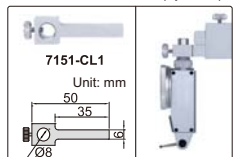
Unit: mm

DATA OUTPUT



scraper (included)

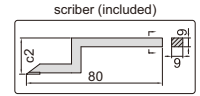
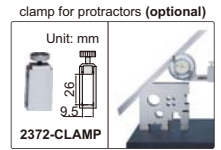
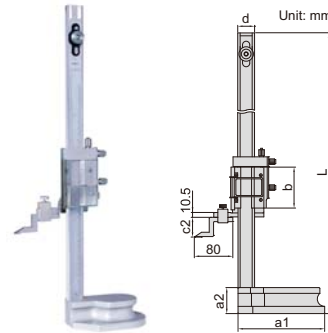
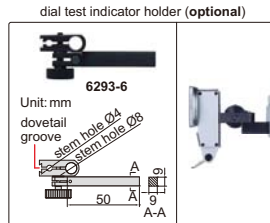
dial test indicator holder (optional)



Code	Range	Accuracy	Resolution	List Price (₹)	Promotion Price (₹)
1154-150	0-150mm/0-6"	±0.03mm	0.01mm/0.0005"	8712	6710

VERNIER HEIGHT GAGES

- Graduation: 0.02mm/0.001"
- Adjustable main scale to set zero
- Carbide tipped scribe
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Supplied with magnifier
- With fine adjustment
- Supplied with dust cover
- Optional accessory:
dial test indicator holder (code **6293-6**),
clamp for protractors (code **2372-CLAMP**)



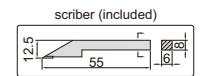
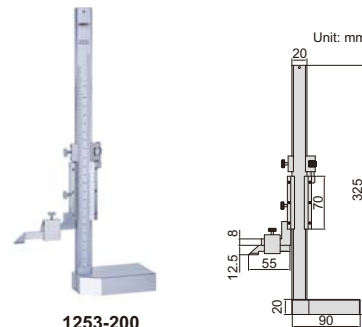
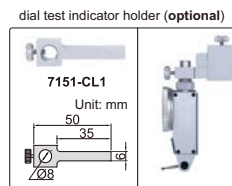
(mm)

Code	Range	Accuracy	L	a1	a2	b	c2	d	List Price (₹)	Promotion Price (₹)
1250-300	0-300mm/0-12"	±0.04mm	545	135	43	75	30	28	12940	11756
1250-600	0-600mm/0-24"	±0.05mm	870	180	54	85	41	35	19859	18019

1250-300

MINI VERNIER HEIGHT GAGE

- Graduation 0.02mm/0.001"
- Carbide tipped scribe
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Optional accessory: dial test indicator holder (code **7151-CL1**)

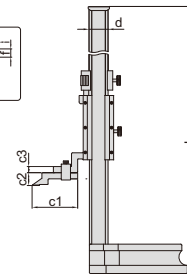
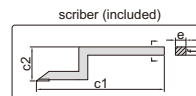
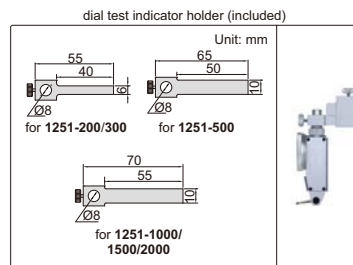


Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1253-200	0-200mm/0-8"	±0.03mm	10290	8520

1253-200

VERNIER HEIGHT GAGES (BASIC TYPE)

- Graduation: 0.02mm/0.001"
- Carbide tipped scribe
- Made of stainless steel (except the base)
- Satin chrome plated scale
- With dial test indicator holder
- Supplied with dust cover



(mm)

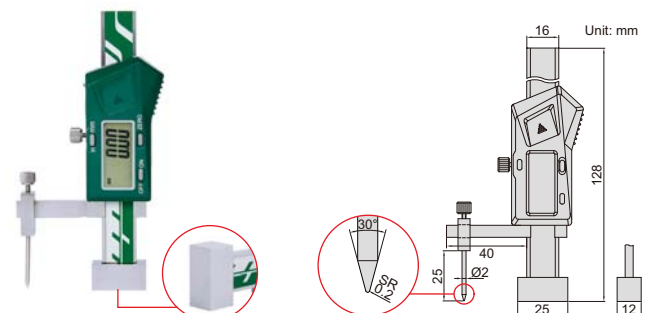
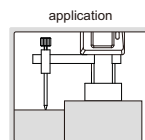
Code	Range	Accuracy	L	c1	c2	c3	d	e	f	List Price (₹)	Promotion Price (₹)
1251-200	0-200mm/0-8"	±0.03mm	370	76	25	10	23	6	8	10081	8569
1251-300	0-300mm/0-12"	±0.04mm	470	76	25	10	23	6	8	12631	10610
1251-500	0-500mm/0-20"	±0.05mm	720	105	25	12	30	10	12	17263	14674
1251-1000	0-1000mm/0-40"	±0.07mm	1275	110	39	15	50	10	15	48675	46241
1251-1500	0-1500mm/0-60"	±0.11mm	1790	110	39	15	50	10	15	77236	73374
1251-2000	0-2000mm/0-80"	±0.14mm	2290	110	39	15	50	10	15	147126	139770

1251-200

MINI DIGITAL HEIGHT GAGE

- Non waterproof
- Measure height difference of two surfaces
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code **7315-21**, **7302-21**)

DATA OUTPUT



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1146-20A	0~±20mm/0~±0.8"	±0.02mm	6691	6113

1146-20A

05

COMPARISON INSTRUMENTS



Carbon Fiber Comparison Gages
Page 36



**Internal And External Diameter
Comparison Instruments**
Page 37-38



Outside Diameter Measuring Stands
Page 38

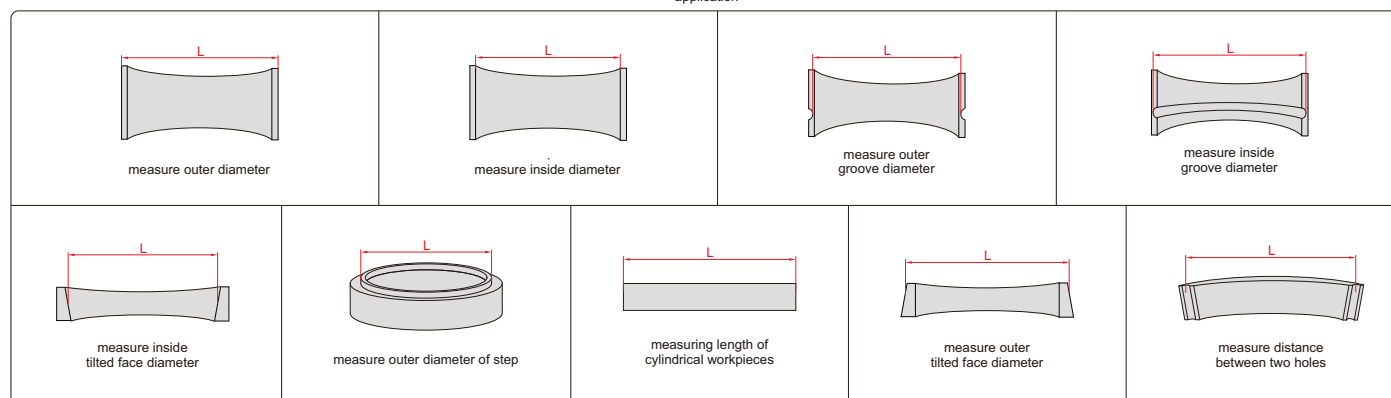
CARBON FIBER COMPARISON GAGES

CARBON FIBER RODS, LIGHT WEIGHT, NOT EASY TO DEFORM, NO TEMPERATURE EXPAND, SUITABLE FOR THIN-WALL WORKPIECES AND LARGE-SIZE WORKPIECES

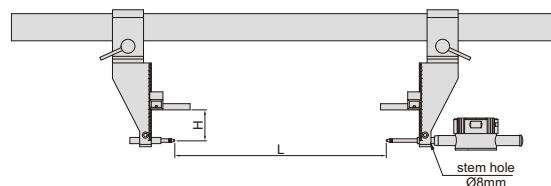


2931-D1000A

application



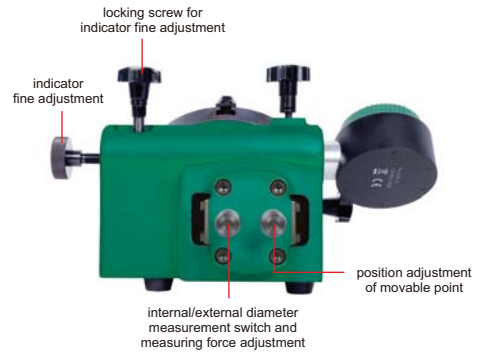
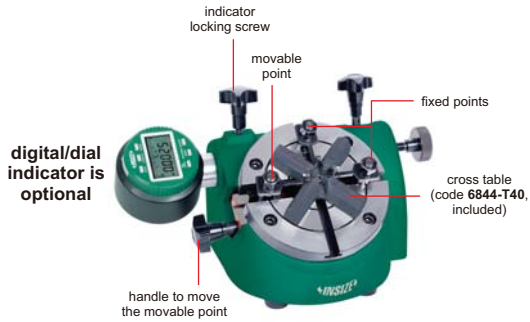
- Measure outer diameter, inside diameter, holes distance and cylindrical workpiece length
- Carbon fiber rods, light weight, not easy to deform, no temperature expand
- Optional accessory: cylinder gage blocks (code 4001), digital indicators (code 2138-25SP/2139-25SP/2103-25SP/2104-25SP)



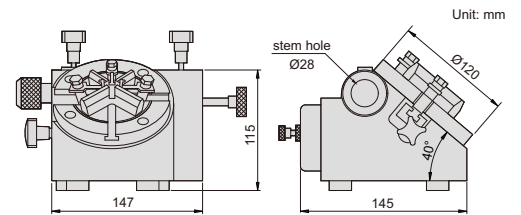
Code	Maximum measuring range (L)	Measuring depth (H)	Repeatability	Weight	List Price (₹)	Promotion Price (₹)
2931-D1000A	1000mm	0-100mm	5µm	2.0kg	145100	81257
2931-D1000B	1000mm	0-200mm	10µm	2.3kg	96269	91455
2931-D1000C	1000mm	0-300mm	25µm	2.6kg	98347	93430
2931-D1500A	1500mm	0-100mm	8µm	2.3kg	114329	108612
2931-D1500B	1500mm	0-200mm	15µm	2.6kg	120564	114536
2931-D1500C	1500mm	0-300mm	30µm	2.9kg	122642	116510
2931-D2000A	2000mm	0-100mm	10µm	2.6kg	125656	119373
2931-D2000B	2000mm	0-200mm	20µm	2.9kg	131890	125296
2931-D2000C	2000mm	0-300mm	35µm	3.2kg	133969	127270
2931-D2500A	2500mm	0-100mm	12µm	2.9kg	164124	155918
2931-D2500B	2500mm	0-200mm	25µm	3.2kg	170359	161841
2931-D2500C	2500mm	0-300mm	50µm	3.5kg	172438	163816
2931-D3000A	3000mm	0-100mm	14µm	3.2kg	191870	182276
2931-D3000B	3000mm	0-200mm	30µm	3.5kg	198104	188199
2931-D3000C	3000mm	0-300mm	60µm	3.8kg	200183	190174
2931-D4000A	4000mm	0-100mm	16µm	3.8kg	257128	244271
2931-D4000B	4000mm	0-200mm	35µm	4.1kg	263362	250194
2931-D4000C	4000mm	0-300mm	65µm	4.4kg	265441	252169



INTERNAL AND EXTERNAL DIAMETER COMPARISON INSTRUMENT

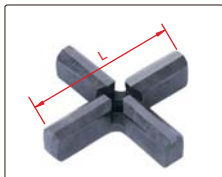


- Measure internal/external diameter, variation and taper
- Total range of movable point: 2mm, effective range of movable point: ± 0.1 mm
- Groove probes and disc probes are included
- Optional accessory: $\varnothing 28$ mm/ $\varnothing 8$ mm bush (code **6843-B8**), cross table, 0.001mm digital/dial indicators, high precision digital indicators (code **2140-6**, **2140-6WL**)



Code	Applicable holding stem	Range of internal diameter	Range of external diameter	Accuracy	Repeatability	List Price (₹)	Promotion Price (₹)
6844-100	$\varnothing 28$ mm	20-100mm/0.8-3.9"	15-80mm/0.6-3.1"	± 0.001 mm	0.001mm	46837	39811

cross table (included, working with groove probes)



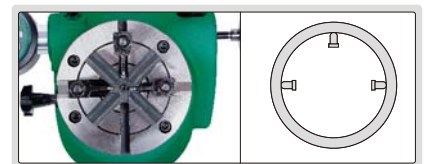
disc probes (included)



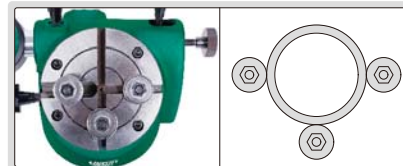
groove probe (included)



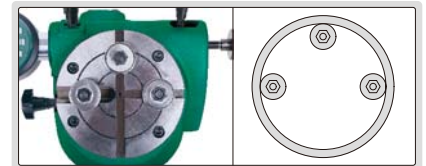
groove probes to measure small internal diameter and internal groove diameter



disc probes to measure external diameter



disc probes to measure large internal diameter



Cross table

Code	L	Remark
6844-T40	40mm	included
6844-T80	80mm	optional
6844-T100	100mm	optional

$\varnothing 28$ mm/ $\varnothing 8$ mm bush (optional)

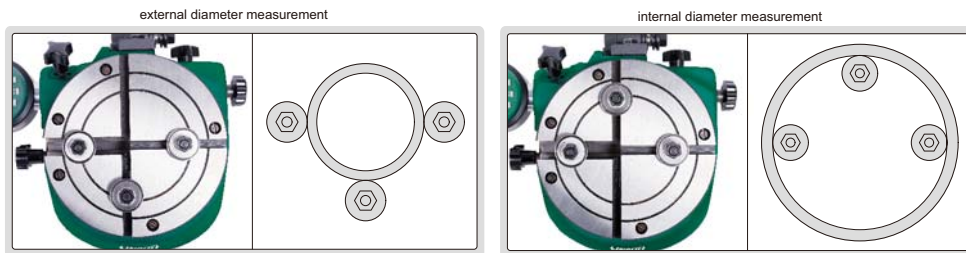
Code
6843-B8



application



INTERNAL AND EXTERNAL DIAMETER COMPARISON INSTRUMENT



Ø28mm/Ø8mm bush (optional)

Code
6843-B8

- Measure internal/external diameter, variation and taper
- Total range of movable point: 2mm, effective range of movable point: ±0.1mm
- Optional accessory: Ø28mm/Ø8mm bush (code 6843-B8), 0.001mm digital/dial indicators, high precision digital indicators (code 2140-6, 2140-6WL)

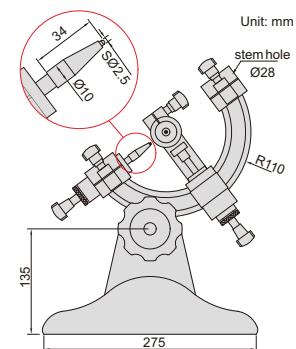


Code	Applicable holding stem	Range of internal diameter	Range of external diameter	Accuracy	Repeatability	List Price (₹)	Promotion Price (₹)
6843-140	Ø28mm	50-140mm/2-5.5"	30-120mm/1.2-4.7"	±0.001mm	0.001mm	55072	44058

OUTSIDE DIAMETER MEASURING STAND



6847-50



- To measure diameter and roundness of cylinders and steel balls
- Supplied with measuring base (code 6847-A100)
- Optional accessory: Ø28mm/Ø8mm bush (code 6843-B8), 0.001mm digital/dial indicators, high precision digital indicators (code 2140-6, 2140-6WL), gage blocks (4101 series, for zero setting of cylinders), custom plug gages (for zero setting of cylinders), ceramic standard balls (4190 series, for zero setting of steel balls)



Ø28mm/Ø8mm bush (optional)

Code
6843-B8

Code	Range of outside diameter	Accuracy	Repeatability	List Price (₹)	Promotion Price (₹)
6847-50	1.5-50mm/0.06-2"	±0.001mm	0.0005mm	37581	33823



06

MICROMETERS



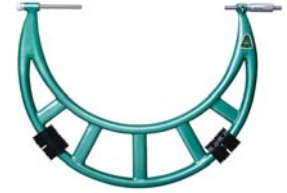
Digital Micrometers/Snap Gages
Page 41-42



Digital Micrometers
Page 42-43



Outside Micrometers
Page 44-45



Large Outside Micrometers
Page 45-46



Indicating Micrometers
Page 46



Micrometers With Dial Indicator
Page 46



Groove Micrometers
Page 47



3-wires
Page 47



Screw Thread Micrometers
Page 47-48



Gear Tooth Micrometers
Page 48



Point Micrometers
Page 48



Blade Micrometers
Page 49



Crimp Height Micrometers
Page 49



Spline Micrometers
Page 49



Tube Micrometers
Page 49



Caliper Type Micrometers
Page 50



Jaw Type Micrometers
Page 50



Disk Micrometers
Page 50-51



Sheet Metal Micrometers
Page 51



Wire Micrometers
Page 52



Micrometer Stands
Page 52



Micrometer Heads
Page 52

HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES (ADVANCED TYPE)

NON-ROTATING SPINDLE

ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

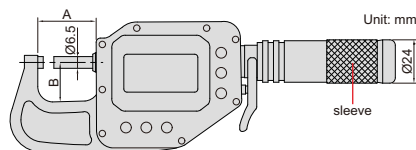
IP65 WATERPROOF

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

DATA OUTPUT



3350-25

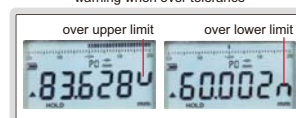


- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"; 0.001mm/0.00005"; 0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
- Customizable measuring force range 2-12N
- Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working

receiver 2134-R1, 2134-R2 (optional)



warning when over tolerance



With data interface

Optional accessory:

wireless transmitter, code 7315-3350

data output cable (keyboard format), code 7302-3350

(mm)

Code	Range	Accuracy	Repeatability	Measuring faces		A	B	List Price (₹)	Promotion Price (₹)
				flatness	parallelism				
3350-25*	0-25mm/0-1"	1.4µm	0.6µm	0.5µm	1µm	38	24	40462	35078
3350-50*	25-50mm/1-2"	1.6µm	1µm	0.5µm	1µm	63	28	43793	38321
3350-75*	50-75mm/2-3"	1.8µm	1µm	0.5µm	1µm	88	45	50278	43996
3350-100*	75-100mm/3-3.95"	2µm	1µm	0.5µm	1µm	113	57	55608	48660

Built-in wireless

Optional accessory:

receiver (keyboard format, connect up to 15 digital indicators), code 2134-R1

receiver (serial port format, connect up to 15 digital indicators), code 2134-R2

(mm)

Code	Range	Accuracy	Repeatability	Measuring faces		A	B	List Price (₹)	Promotion Price (₹)
				flatness	parallelism				
3350-25WL*	0-25mm/0-1"	1.4µm	0.6µm	0.5µm	1µm	38	24	42894	37187
3350-50WL*	25-50mm/1-2"	1.6µm	1µm	0.5µm	1µm	63	28	46225	40450
3350-75WL*	50-75mm/2-3"	1.8µm	1µm	0.5µm	1µm	88	45	52943	46328
3350-100WL*	75-100mm/3-3.95"	2µm	1µm	0.5µm	1µm	113	57	58274	50993

*Supplied with manufacturer inspection certificate

DIGITAL MICROMETERS/SNAP GAGES

DATA OUTPUT

IP65 WATERPROOF

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING



NON-ROTATING SPINDLE

ONE TURN OF SLEEVE MAKES 10MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

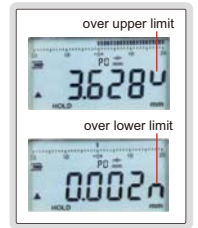
ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF



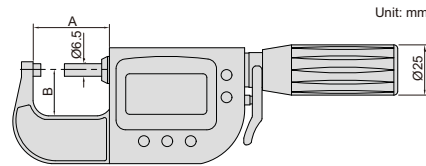
3358-25



warning when over tolerance



- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.001mm/0.00005"
- One turn of sleeve makes 10mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Carbide spindle and anvil
- Measuring force 5-10N
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch
- Power: rechargeable battery, for 24 hours continuous working



Unit: mm

With data interface

Optional accessory:
wireless transmitter, code 7315-3350
data output cable (keyboard format), code 7302-3350

Code	Range	Accuracy	Repeatability	Measuring faces		A	B	List Price (₹)	Promotion Price (₹)
				flatness	parallelism				
3358-25*	0-25mm/0-1"	2µm	1µm	0.5µm	1.2µm	38mm	24mm	18797	16917
3358-50*	25-50mm/1-2"	2µm	1µm	0.5µm	1.2µm	64mm	32.5mm	21029	17244

Built-in wireless

Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code 2134-R1
wireless receiver (serial port format, connect up to 15 digital indicators), code 2134-R2

Code	Range	Accuracy	Repeatability	Measuring faces		A	B	List Price (₹)	Promotion Price (₹)
				flatness	parallelism				
3358-25WL*	0-25mm/0-1"	2µm	1µm	0.5µm	1.2µm	38mm	24mm	21175	19058
3358-50WL*	25-50mm/1-2"	2µm	1µm	0.5µm	1.2µm	64mm	32.5mm	23407	21066

*Supplied with manufacturer inspection certificate

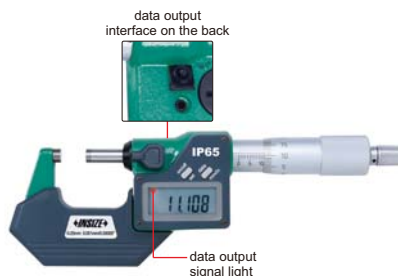
WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT INTERFACE)



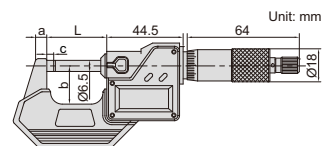
DATA OUTPUT

IP65 WATERPROOF

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31, 7302-30)

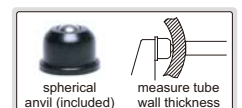


3101-25A



(mm)

Code	Range	Accuracy	L	a	b	c	List Price (₹)	Promotion Price (₹)
3101-25A*	0-25mm/0-1"	±2µm	34.5	6	25	3	10869	9066
3101-50A*	25-50mm/1-2"	±2µm	59.5	8	32	3	11747	10016
3101-75A*	50-75mm/2-3"	±3µm	84.5	8	44.5	3	12566	10771
3101-100A*	75-100mm/3-4"	±3µm	109.5	8	57	3	13471	11634



*Supplied with manufacturer inspection certificate

WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITHOUT DATA OUTPUT)

IP65
WATERPROOF

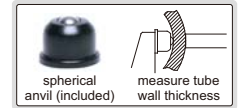
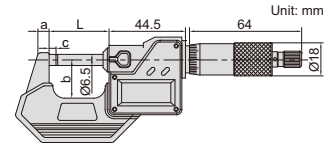
ATTENTION: NO DATA OUTPUT



- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



3108-25A



Code	Range	Accuracy	L	a	b	c	List Price (₹)	Promotion Price (₹)
3108-25A*	0-25mm/0-1"	±2µm	34.5	6	25	3	6624	5878
3108-50A*	25-50mm/1-2"	±2µm	59.5	8	32	3	7587	6856
3108-75A*	50-75mm/2-3"	±3µm	84.5	8	44.5	3	9266	7878
3108-100A*	75-100mm/3-4"	±3µm	109.5	8	57	3	10215	8567
3108-125A	100-125mm/4-5"	±3µm	135	10	70	3	11845	9565
3108-150A	125-150mm/5-6"	±3µm	160.5	10	82	3	12722	10241
3108-175A	150-175mm/6-7"	±4µm	186	12	94.5	5.5	13896	11208
3108-200A	175-200mm/7-8"	±4µm	211.5	12	107	5.5	15229	12136

*Supplied with manufacturer inspection certificate

DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITHOUT DATA OUTPUT)

ATTENTION: NO DATA OUTPUT

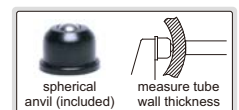
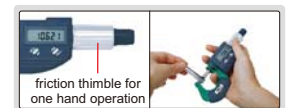
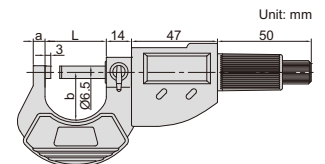


POPULAR MODEL

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



3109-25A



Code	Range	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
3109-25A*	0-25mm/0-1"	±2µm	32	6	27.5	4510	3700
3109-50A*	25-50mm/1-2"	±2µm	57	8	37	5941	5150
3109-75A*	50-75mm/2-3"	±3µm	82	8	50	6708	5858
3109-100A*	75-100mm/3-4"	±3µm	107	10	61	7583	6621
3109-125A	100-125mm/4-5"	±3µm	132	10	73	8351	6890
3109-150A	125-150mm/5-6"	±3µm	157	10	85	9266	7647
3109-175A	150-175mm/6-7"	±4µm	182	21	104	10809	8952
3109-200A	175-200mm/7-8"	±4µm	207	21	117	11777	9753

*Supplied with manufacturer inspection certificate

OUTSIDE MICROMETERS

- Graduation: 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

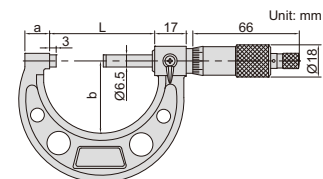


3203-25A

3203-50A

Individual

Code	Range	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
3203-25A*	0-25mm	±2µm	32	9	28	1672	1514
3203-50A*	25-50mm	±2µm	57	14	38	1896	1737
3203-75A*	50-75mm	±2µm	82	15	49	2199	1943
3203-100A*	75-100mm	±3µm	107	15	60	2445	2154
3203-125A	100-125mm	±3µm	133	16.5	73	3127	2854
3203-150A	125-150mm	±3µm	158	16.5	85	3541	3233
3203-175A	150-175mm	±4µm	183	19.4	104	4310	3889
3203-200A	175-200mm	±4µm	209	19.4	117	4774	4269
3203-225A	200-225mm	±4µm	234	19.4	130	4919	4451
3203-250A	225-250mm	±5µm	260	19.4	142	5251	4988
3203-275A	250-275mm	±5µm	285	19.4	155	6117	5535
3203-300A	275-300mm	±5µm	310	19.4	168	6498	5880



Set

Code	Range	Micrometers included	Packaging	List Price (₹)	Promotion Price (₹)
3203-753A*	0-75mm	3203-25A, 3203-50A, 3203-75A	blow mould case	5542	5265
3203-1004A*	0-100mm	3203-25A, 3203-50A, 3203-75A, 3203-100A	blow mould case	8025	7347
3203-1506A	0-150mm	3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A	blow mould case	12737	12100



3203-1004A

*Supplied with manufacturer inspection certificate

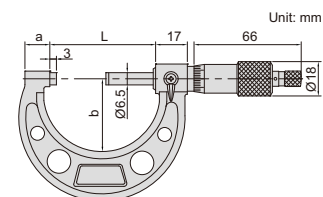
1µm GRADUATION OUTSIDE MICROMETERS

- Graduation: 0.001mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3210-25A

Code	Range	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
3210-25A*	0-25mm	4µm	32	9	28	1980	1767
3210-50A*	25-50mm	4µm	57	14	38	2172	1950
3210-75A*	50-75mm	5µm	82	15	49	2302	2187
3210-100A*	75-100mm	5µm	107	15	60	2544	2417



*Supplied with manufacturer inspection certificate

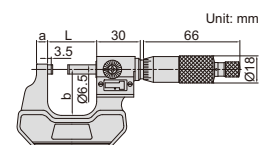
OUTSIDE MICROMETERS WITH COUNTER

- Counter resolution: 0.01mm
- Thimble graduation: 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3400-25

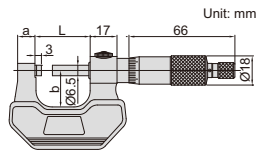
Code	Range	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
3400-25*	0-25mm	4µm	32mm	6mm	26mm	4324	3917
3400-50*	25-50mm	4µm	57mm	8mm	32mm	4671	4531
3400-75*	50-75mm	5µm	82mm	8mm	44.5mm	5080	4928
3400-100*	75-100mm	5µm	107mm	8mm	57mm	5658	5488



*Supplied with manufacturer inspection certificate

OUTSIDE MICROMETER FOR LEFT OR RIGHT HANDERS

- Graduation 0.01mm
- Graduations on two sides
- Ratchet stop
- Carbide measuring faces
- Meet DIN863-1



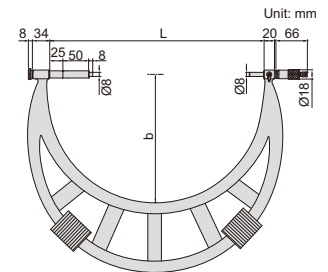
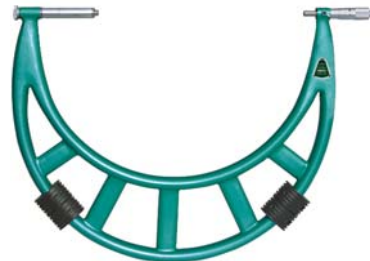
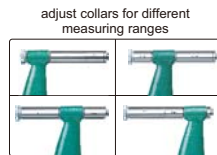
3236-25B

(mm)

Code	Range	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
3236-25B	0-25mm	4µm	32	6	24	2311	2242

OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR

- Graduation: 0.01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



setting standard (included)



3205-400

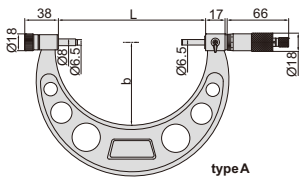
(mm)

Code	Range	Accuracy	L	b	Setting standard (included)	List Price (₹)	Promotion Price (₹)
3205-400	300-400mm	11µm	410	250	325, 375	23824	21134
3205-500	400-500mm	13µm	510	295	425, 475	26930	23890
3205-600	500-600mm	14µm	610	345	525, 575	31705	28126
3205-700	600-700mm	16µm	710	395	625, 675	33502	32497
3205-800	700-800mm	18µm	810	445	725, 775	39461	38277
3205-900	800-900mm	20µm	910	495	825, 875	45909	44532
3205-1000	900-1000mm	22µm	1010	545	925, 975	51284	49745

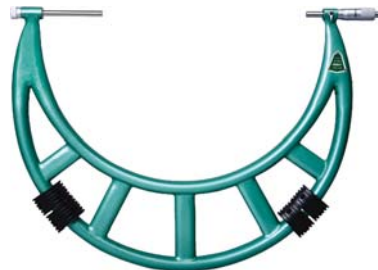
OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS



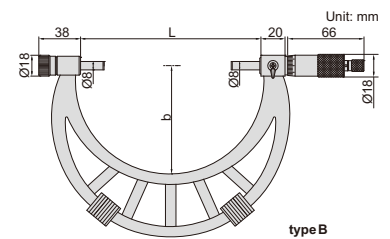
3206-150A



type A



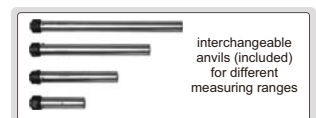
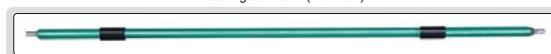
3206-400



type B

- Graduation: 0.01mm
- Ratchet stop
- Meet DIN863-3
- Carbide measuring faces
- Supplied with setting standards

setting standard (included)



(mm)

Code	Range	Type	Accuracy	L	b	Setting standard (included)	List Price (₹)	Promotion Price (₹)
3206-150A	0-150mm	A	6µm	158	82	25, 50, 75, 100, 125	12397	11270
3206-200A	100-200mm	A	7µm	208	114	100, 125, 150, 175	14771	13166
3206-300A	150-300mm	A	9µm	308	165	150, 175, 200, 225, 250, 275	15862	13513
3206-400	300-400mm	B	11µm	409	224	325, 375	30140	22641
3206-500	400-500mm	B	13µm	509	275	425, 475	34010	25547
3206-600	500-600mm	B	14µm	609	321	525, 575	38981	29947

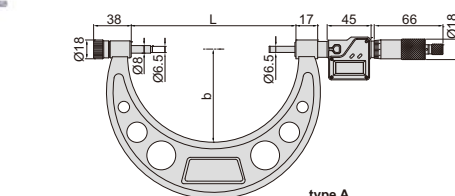
DIGITAL OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

IP65 WATERPROOF **DATA OUTPUT**

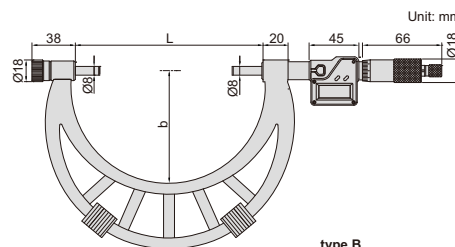
- Resolution 0.001mm/0.0001" (resolution of **3506-150A** is 0.001mm/0.00005")
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code **7315-31**, **7302-30**)



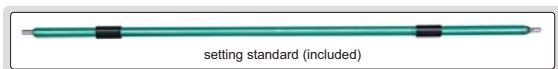
3506-400A



type A



type B



setting standard (included)



interchangeable anvils (included) for different measuring ranges

(mm)

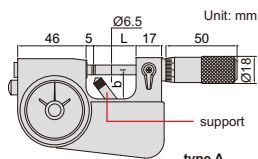
Code	Range	Type	Accuracy	L	b	Setting standard (included)	List Price (₹)	Promotion Price (₹)
3506-150A	0-150mm/0-6"	A	±6μm	155	82	25, 50, 75, 100, 125	20473	17402
3506-300A	150-300mm/6-12"	A	±8μm	305	165	150, 175, 200, 225, 250, 275	23947	20355
3506-400A	300-400mm/12-16"	B	±9μm	405	224	325, 375	28675	24374
3506-500A	400-500mm/16-20"	B	±11μm	505	275	425, 475	32701	27796

INDICATING MICROMETERS

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED



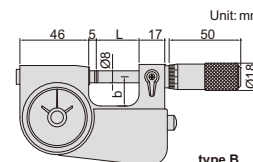
3332-25



type A



3332-25B



type B

(mm)

Code	Micrometer head range	Micrometer head accuracy	Type	L	b	Remark	List Price (₹)	Promotion Price (₹)
3332-25	0-25mm	4μm	A	28.5	19	with support	21598	19666
3332-50	25-50mm	4μm	A	53.5	30	with support	24779	22301
3332-75	50-75mm	5μm	A	78.5	45	without support	28473	25626
3332-100	75-100mm	5μm	A	103.5	57	without support	32630	29367
3332-25B	0-25mm	4μm	B	28.5	19	without support	21571	19414

- Meet DIN863-3
- Micrometer head graduation: 0.002mm
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Optional accessory: gage blocks grade 0 (**4101-A** series), for zero setting

MICROMETERS WITH DIAL INDICATOR

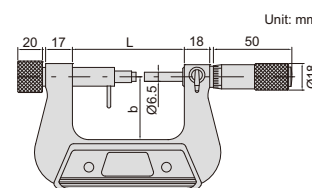
ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

- Meet DIN863-3
- Micrometer head graduation 0.01mm
- Anvil retracting range: 8mm
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)
- Optional accessory: dial indicators (graduation 0.01mm), digital indicators (resolution 0.01mm/0.0005")



digital indicator is optional

3331-25A



Unit: mm

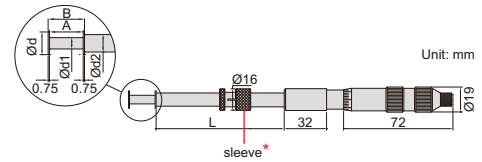
Code	Micrometer head range	Micrometer head accuracy	L	b	List Price (₹)	Promotion Price (₹)
3331-25A	0-25mm	4μm	67mm	38mm	13106	11795
3331-50A	25-50mm	4μm	92.4mm	50mm	14150	13726
3331-75A	50-75mm	5μm	117.6mm	62mm	15033	13530
3331-100A	75-100mm	5μm	143mm	70mm	15962	14366

GROOVE MICROMETERS

- Measure width of grooves inside bores
- Graduation 0.01mm
- Two graduations for inside and outside measurements
- Non-rotating spindle
- Two-directional ratchet stop



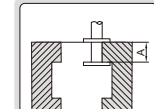
3287-50B



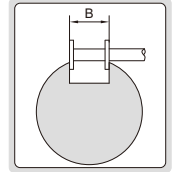
Code	Range (outside A)	Range (inside B)	Accuracy	L	Ød	Ød1	Ød2	List Price (₹)	Promotion Price (₹)
3287-25B	0-25mm	1.6-26.5mm	10µm	120	13	6.5	10	24811	21920
3287-50B	25-50mm	26.5-51.5mm	10µm	120	13	6.5	10	29985	28486
3287-75B	50-75mm	51.5-76.5mm	10µm	120	13	6.5	10	34534	32807
3287-100B	75-100mm	76.5-101.5mm	10µm	120	13	6.5	10	39804	37813
3287-251B *	0-25mm	1.6-26.5mm	10µm	90	6.5	3	5	23877	22683

*3287-251B does not have sleeve

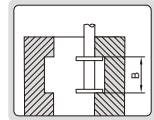
measure position of groove



measure width of keyway



measure width of groove

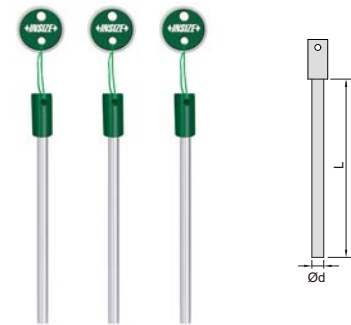


CARBIDE 3-WIRES

CUSTOMIZABLE DIAMETER Ød



Code	Diameter (Ød)	Applicable pitch	List Price (₹)	Promotion Price (₹)
7394-64A	0.290mm	0.5mm	9122	8666
7394-65A	0.335mm	0.6mm	5764	5476
7394-66A	0.390mm	0.7mm	5764	5476
7394-67A	0.455mm	0.75mm, 0.8mm	5764	5476
7394-68A	0.530mm	0.9mm	5764	5476
7394-69A	0.620mm	1.0mm	5764	5476
7394-70A	0.725mm	1.25mm	5764	5476
7394-71A	0.895mm	1.5mm	5764	5476
7394-72A	1.100mm	1.75mm, 2.0mm	5668	5385
7394-73A	1.350mm	2.5mm	5668	5385
7394-74A	1.650mm	3.0mm	5668	5385
7394-75A	2.050mm	3.5mm	5620	5339
7394-76A	2.550mm	4mm, 4.5mm	5620	5339
7394-77A	3.200mm	5mm, 5.5mm, 6mm	5620	5339



7394-76A

- When Ød ≤ 0.3mm, length L = 25mm; When Ød > 0.3mm, length L = 45mm
- Made of carbide
- Hardness HRA90
- Diameter accuracy: ±0.5µm
- Roundness: 0.5µm
- Cylindricity: 1µm
- Supplied with manufacturer inspection certificate

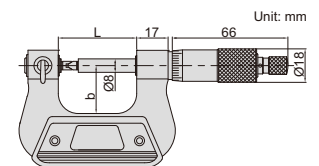
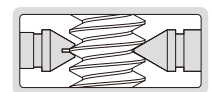
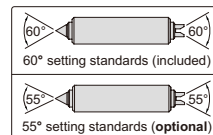
SCREW THREAD MICROMETERS

NON-ROTATING SPINDLE

- Graduation: 0.01mm
- Measure pitch diameter of screw threads
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards
- (except 0-25mm)
- 6 pairs of measuring tips (included): metric and unified thread (60° thread angle)
- 0.4-0.5mm/64-48TPI, 0.6-0.9mm/44-28TPI, 1-1.75mm/24-14TPI, 2-3mm/13-9TPI, 3.5-5mm/8-5TPI, 5.5-7mm/4.5-3.5TPI
- Optional accessory: 55° setting standards



3281-S25
(measuring tips are included)



Code	Range	L	b	55° setting standard (optional)	List Price (₹)	Promotion Price (₹)
3281-S25	0-25mm	42	26	-	14884	13597
3281-S50	25-50mm	67	38	3281-SP1	15515	13963
3281-S75	50-75mm	92	50	3281-SP2	16709	15038
3281-S100	75-100mm	117.6	62	3281-SP3	17343	15609

accuracy of micrometers with tips (mm)

Pitch	Range			
	0-25	25-50	50-75	75-100
0.4~0.5	±0.01	-	-	-
0.6~0.8	±0.01	±0.013	-	-
1~1.25	±0.012	±0.015	±0.017	±0.017
1.5~2.0	±0.014	±0.017	±0.019	±0.019
2.5~3.5	±0.016	±0.019	±0.021	±0.021
4.0~7.0	-	±0.021	±0.023	±0.023

DIGITAL SCREW THREAD MICROMETERS

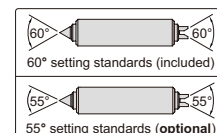
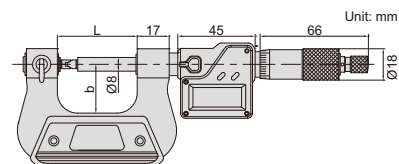
NON-ROTATING SPINDLE

DATA OUTPUT

- Measure pitch diameter of screw threads
- Resolution 0.001mm/0.0005"
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm/0-1")
- 6 pairs of measuring tips (included): metric and unified thread (60° thread angle) 0.4-0.5mm/64-48TPI, 0.6-0.9mm/44-28TPI, 1-1.75mm/24-14TPI, 2-3mm/13-9TPI, 3.5-5mm/8-5TPI, 5.5-7mm/4.5-3.5TPI
- Optional accessory: 55° setting standards, data output cable (code 7315-31, 7302-30)



3581-S25
(measuring tips are included)



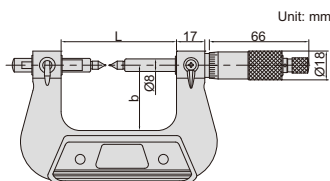
Code	Range	L	b	55° setting standard (optional)	List Price (₹)	Promotion Price (₹)
3581-S25	0-25mm/0-1"	42	26	-	22410	20169
3581-S50	25-50mm/1-2"	67	38	3281-SP1	23500	21150
3581-S75	50-75mm/2-3"	92	50	3281-SP2	24862	22375
3581-S100	75-100mm/3-4"	117.6	62	3281-SP3	25901	23311

accuracy of micrometers with tips (mm)

Pitch	Range			
	0-25	25-50	50-75	75-100
0.4-0.5	±0.01	-	-	-
0.6-0.8	±0.01	±0.013	-	-
1-1.25	±0.012	±0.015	±0.017	±0.017
1.5-2.0	±0.014	±0.017	±0.019	±0.019
2.5-3.5	±0.016	±0.019	±0.021	±0.021
4.0-7.0	-	±0.021	±0.023	±0.023

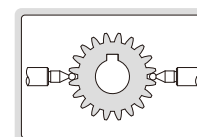
GEAR TOOTH MICROMETERS

- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)
- Optional accessory: ball tips (code 7391)



3291-25

Code	Range	Accuracy	L	b	List Price (₹)	Promotion Price (₹)
3291-25	0-25mm	4µm	67	38	7795	7561
3291-50	25-50mm	4µm	92.4	50	8755	8492
3291-75	50-75mm	5µm	117.6	62	9648	9359
3291-100	75-100mm	5µm	143	70	11207	10871



BALL TIPS FOR GEAR TOOTH MICROMETERS



7391-T5

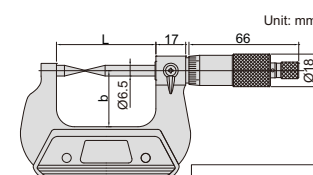
- Supplied in pair
- Suitable for 3291, 3591 series micrometers

Code	Ball dia. (D)	List Price (₹)	Promotion Price (₹)
7391-T2	SØ1.5mm	4581	4123
7391-T3	SØ2.0mm	4365	4234
7391-T4	SØ2.5mm	4365	4234
7391-T5	SØ3.0mm	4365	4234
7391-T6	SØ3.5mm	4365	4234
7391-T7	SØ4.0mm	4365	4234
7391-T8	SØ4.5mm	4365	4234
7391-T9	SØ5.0mm	4365	4234
7391-T10	SØ6.0mm	4365	4234

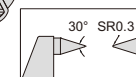
POINT MICROMETERS



3230-25A



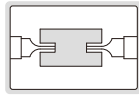
- Graduation 0.01mm
- Measure the web thickness of drills, small grooves and keyways
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm)



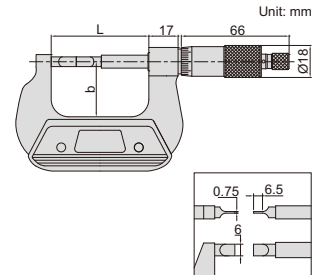
Code	Range	Accuracy	L	b	List Price (₹)	Promotion Price (₹)
3230-25A	0-25mm	4µm	57	32	4692	4286
3230-50A	25-50mm	4µm	82	44.5	5111	4958
3230-75A	50-75mm	5µm	107	57	5645	5081
3230-100A	75-100mm	5µm	132.6	69.5	6381	6190

BLADE MICROMETERS

- Meet DIN863-3
- Measure the groove diameter of shafts and keyways
- Graduation: 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



NON-ROTATING SPINDLE



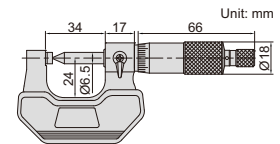
(mm)

3232-25A

Code	Range	Accuracy	L	b	List Price (₹)	Promotion Price (₹)
3232-25A	0-25mm	4µm	57	32	8350	7535
3232-50A	25-50mm	4µm	82	44.5	10306	9414
3232-75A	50-75mm	5µm	107	57	11102	10142
3232-100A	75-100mm	5µm	132.6	69.5	12010	10971

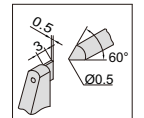
CRIMP HEIGHT MICROMETER

- Measure the height of crimp contact
- Graduation 0.01mm
- Ratchet stop



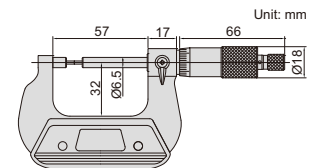
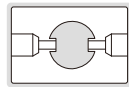
3266-25BA

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
3266-25BA	0-25mm	4µm	4946	4518



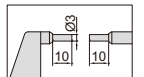
SPLINE MICROMETER

- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



3233-25BA

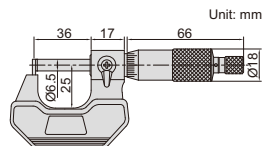
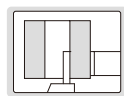
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
3233-25BA	0-25mm	4µm	4854	4435



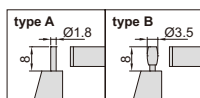
CYLINDRICAL ANVIL TUBE MICROMETERS



3261-25A



- Measure wall thickness of tubes
- Graduation 0.01mm
- Accuracy: 6µm
- Ratchet stop
- Carbide spindle tip

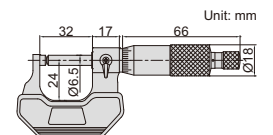
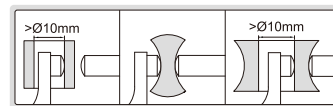


Code	Range	Type	List Price (₹)	Promotion Price (₹)
3261-25A	0-25mm	A	3556	3143
3261-25BA	0-25mm	B	3810	3368

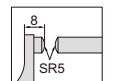
SPHERICAL ANVIL TUBE MICROMETER



3260-25SA



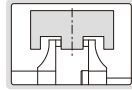
- Meet DIN863-3
- Measure wall thickness of tubes
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



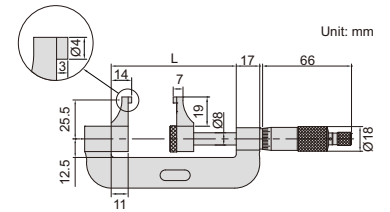
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
3260-25SA	0-25mm	4µm	2600	2328

CALIPER TYPE MICROMETER

- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Carbide measuring faces



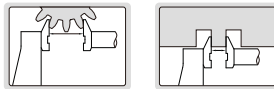
3238-25



Code	Range	Accuracy	L	List Price (₹)	Promotion Price (₹)
3238-25	0-25mm	10µm	56mm	9743	9451

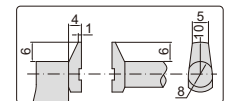
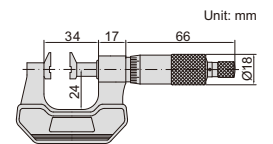
JAW TYPE MICROMETER

- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop



3283-25A

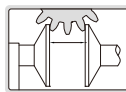
NON-ROTATING SPINDLE



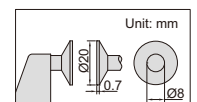
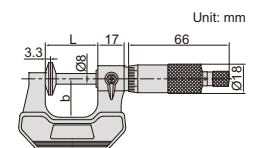
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
3283-25A	0-25mm	4µm	14482	13119

DISK MICROMETERS

- Parallelism: 5µm
- Measure root tangent length of gear
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards



3282-25

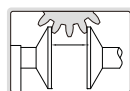


(mm)

Code	Range	Accuracy	L	b	List Price (₹)	Promotion Price (₹)
3282-25	0-25mm	4µm	34	24	5616	5121
3282-50	25-50mm	4µm	59	32	6546	5986
3282-75	50-75mm	5µm	85	45	7392	6753
3282-100	75-100mm	5µm	110	57	8748	7992

DIGITAL NON-ROTATING SPINDLE DISK MICROMETERS

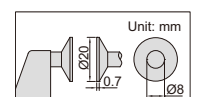
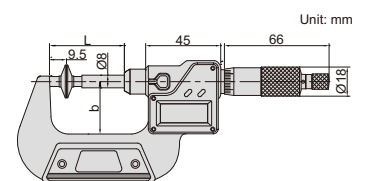
- Measure root tangent length of gear
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-31, 7302-30)



3594-25A

DATA OUTPUT

NON-ROTATING SPINDLE



Code	Range	Accuracy	Parallelism	L	b	List Price (₹)	Promotion Price (₹)
3594-25A	0-25mm/0-1"	±4µm	5µm	43mm	32mm	17505	15755
3594-50A	25-50mm/1-2"	±4µm	5µm	68mm	44.5mm	19140	17226
3594-75A	50-75mm/2-3"	±5µm	5µm	93mm	57mm	20890	18801
3594-100A	75-100mm/3-4"	±5µm	5µm	118.5mm	70mm	23188	20869

HIGH PRECISION DIGITAL DISK MICROMETERS/SNAP GAGES

DATA OUTPUT

NON-ROTATING SPINDLE

ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

IP65 WATERPROOF

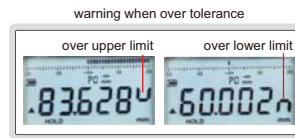
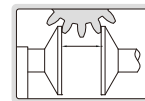
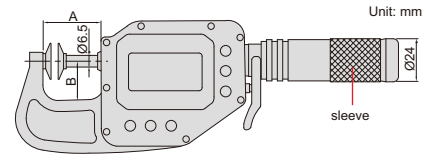
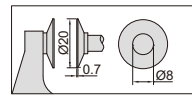


INSPECTION CERTIFICATE

- Measure root tangent length of gear
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.0001" / 0.001mm/0.00005" / 0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
- Customizable measuring force range 2-12N
- Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting
- Power: rechargeable battery, for 24 hours continuous working



3353-25



With data interface

Optional accessory:
wireless transmitter, code **7315-3350**
data output cable (keyboard format), code **7302-3350**

Code	Range	Accuracy	Repeatability	Parallelism	A	B	List Price (₹)	Promotion Price (₹)
3353-25*	0-25mm/0-1"	4µm	1µm	4µm	38mm	24mm	48282	43454
3353-50*	25-50mm/1-2"	4µm	1µm	4µm	63mm	25mm	53216	47894
3353-75*	50-75mm/2-3"	5µm	1µm	5µm	88mm	42mm	57577	51819
3353-100*	75-100mm/3-3.95"	5µm	1µm	5µm	113mm	56mm	59859	53873
3353-125*	100-125mm/4-5"	6µm	2µm	6µm	128mm	62.5mm	62357	56121
3353-150*	125-150mm/5-6"	6µm	2µm	6µm	153mm	75mm	66197	59577

Built-in wireless

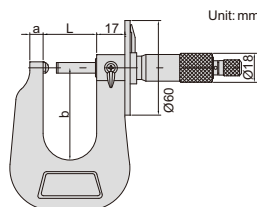
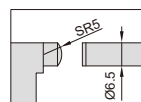
Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code **2134-R1**
wireless receiver (serial port format, connect up to 15 digital indicators), code **2134-R2**

Code	Range	Accuracy	Repeatability	Parallelism	A	B	List Price (₹)	Promotion Price (₹)
3353-25WL*	0-25mm/0-1"	4µm	1µm	4µm	38mm	24mm	54345	48911
3353-50WL*	25-50mm/1-2"	4µm	1µm	4µm	63mm	25mm	57012	51311
3353-75WL*	50-75mm/2-3"	5µm	1µm	5µm	88mm	42mm	61373	55236
3353-100WL*	75-100mm/3-3.95"	5µm	1µm	5µm	113mm	56mm	63656	57290
3353-125WL*	100-125mm/4-5"	6µm	2µm	6µm	128mm	62.5mm	65131	58618
3353-150WL*	125-150mm/5-6"	6µm	2µm	6µm	153mm	75mm	68971	62074

*Supplied with manufacturer inspection certificate

SHEET METAL MICROMETERS

- Meet DIN863-3
- Measure thickness of sheet metal, paper, plastic and rubber parts
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



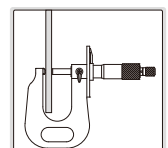
Unit: mm

(mm)

Code	Range	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
3263-15A	0-15mm	4µm	22	8	50	6891	6546
3263-25A	0-25mm	4µm	32	8	50	7178	6460



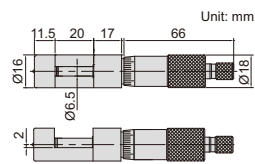
3263-25A



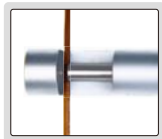
WIRE MICROMETER



3285-10



- Meet DIN863-3
- Measure diameter of wires and small balls
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces

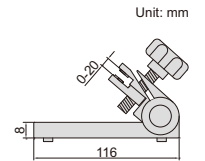


Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
3285-10	0-10mm	4µm	4762	4619

MICROMETER STAND



6300



- Suitable for outside micrometers up to 100mm

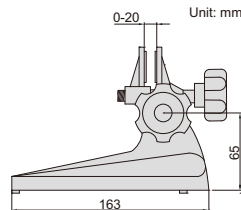


Code	List Price (₹)	Promotion Price (₹)
6300	2040	1938

MICROMETER STAND



6301



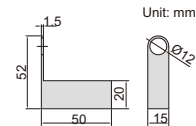
- Suitable for outside micrometers up to 100mm



Code	List Price (₹)	Promotion Price (₹)
6301	1306	937



6301-1



- Suitable for inside micrometers

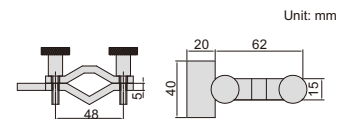
Code	Description	Applicable products	List Price (₹)	Promotion Price (₹)
6301-1	clamp for inside micrometers	all sizes of 3220 series	1709	1538



6301-2



- Suitable for three points internal micrometers



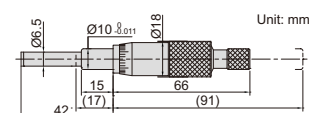
Code	Description	Applicable products	List Price (₹)	Promotion Price (₹)
6301-2	clamp for three points internal micrometers	up to 100mm of 3127 and 3227 series	4182	3764

MICROMETER HEAD

- Meet DIN863-2
- Graduation 0.01mm
- Ratchet stop



6381-25W



Code	Range	Stem	Spindle tip	Accuracy	List Price (₹)	Promotion Price (₹)
6381-25W	0-25mm	plain	flat (carbide)	3µm	1599	1213

07

BORE DIAMETER, CIRCUMFERENCE MEASUREMENT



Inside Micrometers
Page 54



Tubular Inside Micrometers
Page 54-55



Three Points Internal Micrometers
Page 55-57



Bore Gages
Page 57-59



Bore Gage Setters
Page 60



Telescoping Gage Sets
Page 60



Circumference Rolls
Page 60

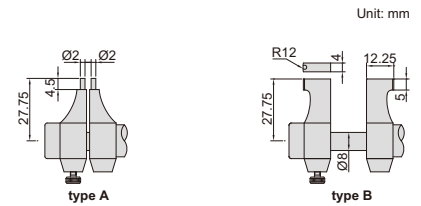
INSIDE MICROMETERS (ECONOMIC TYPE)

ATTENTION: LOW PARALLELISM OF TWO MEASURING FACES

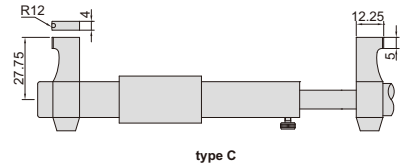
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Optional accessory: setting ring (code 6312), micrometer stand and clamp (code 6301 and 6301-1)



3220-50



Unit: mm



type C

micrometer stand with clamp (optional)



Code	Range	Type	Setting ring	Accuracy	List Price (₹)	Promotion Price (₹)
3220-30	5-30mm	A	5mm (included)	7µm	4759	4289
3220-50	25-50mm	B	25mm (included)	8µm	5509	4869
3220-75	50-75mm	B	50mm (optional)	9µm	6410	5667
3220-100	75-100mm	C	75mm (optional)	10µm	7202	6366

DIGITAL INSIDE MICROMETERS (ECONOMIC TYPE)

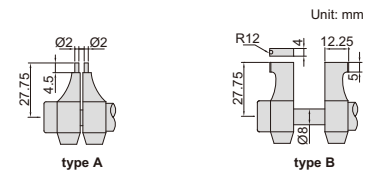
DATA OUTPUT

ATTENTION: LOW PARALLELISM OF TWO MEASURING FACES

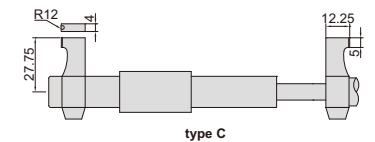
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7315-31, 7302-30), setting ring (code 6312)



3520-30



Unit: mm



type C

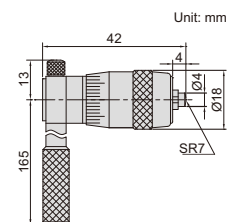
Code	Range	Type	Setting ring	Accuracy	List Price (₹)	Promotion Price (₹)
3520-30	5-30mm/0.2-1.2"	A	5mm (included)	±5µm	16680	12800
3520-50	25-50mm/1-2"	B	25mm (included)	±6µm	13290	12891
3520-75	50-75mm/2-3"	B	50mm (optional)	±7µm	17380	15642
3520-100	75-100mm/3-4"	C	75mm (optional)	±8µm	18175	16358

TUBULAR INSIDE MICROMETERS

- Graduation: 0.01mm
- Accuracy: (6+L/50)µm
L=maximum measuring length (mm)
- Optional accessory: setting ring (code 6312), gage block accessory (code 6881), cylinder gage block (code 4001), caliper/height gage checker (code 6884)



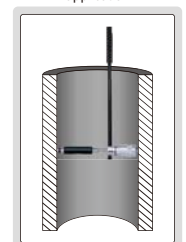
3221-200



Unit: mm

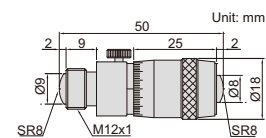
Code	Range	Travel of micrometer head	Extension rods	List Price (₹)	Promotion Price (₹)
3221-32	25-32mm	7mm	—	6761	6117
3221-50	25-50mm	7mm	2 pcs	7985	7187
3221-63	50-63mm	13mm	—	7050	6345
3221-200	50-200mm	13mm	6 pcs	10419	9377
3221-300	50-300mm	13mm	10 pcs	11665	10499
3221-225	200-225mm	25mm	—	9739	8765
3221-500	200-500mm	25mm	3 pcs	14017	12615
3221-1000	200-1000mm	25mm	8 pcs	43343	41279

application



TUBULAR INSIDE MICROMETERS

- Micrometer head: 50-63mm
- Travel of micrometer head: 13mm
- Graduation: 0.01mm
- Accuracy: $(3+n+L/50)\mu\text{m}$
 n=number of rods,
 L=maximum measuring length (mm)
- Supplied with setting standards
- Carbide measuring faces



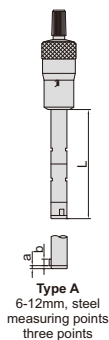
3222-150

Code	Range	Extension rods	List Price (₹)	Promotion Price (₹)
3222-63	50-63mm	—	6529	6333
3222-150	50-150mm	13mm, 25mm, 50mm	7137	6923
3222-300	50-300mm	13mm, 25mm, 50mm (2 pcs), 100mm	10549	9308
3222-500	50-500mm	13mm, 25mm, 50mm (2 pcs), 100mm, 200mm	11895	11300
3222-600	50-600mm	13mm, 25mm, 50mm, 100mm, 150mm, 200mm	12564	11308
3222-1000	50-1000mm	13mm, 25mm, 50mm (2 pcs), 100mm, 200mm (2 pcs), 300mm	22848	22163
3222-1500	50-1500mm	13mm, 25mm, 50mm (2 pcs), 100mm, 200mm (3 pcs), 300mm (2 pcs)	32122	31158

THREE POINTS INTERNAL MICROMETERS



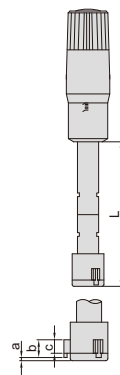
3227-8



Type A
6-12mm, steel
measuring points
three points



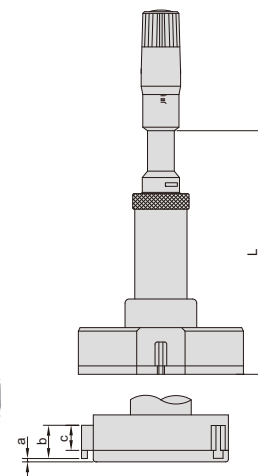
3227-16



Type B
12-50mm, carbide
measuring points
three points



3227-125



Type C
50-200mm, carbide
measuring points
three points

Individual

(mm)

Code	Range	Type	Accuracy	Setting ring	Extension rod (included)	L	a	b	c	List Price (₹)	Promotion Price (₹)
3227-8*	6-8mm	A	4 μm	Ø6mm (included)	100mm	54.5	1.5	2.5	—	18339	16705
3227-10*	8-10mm	A	4 μm	Ø8mm (included)	100mm	54.5	1.5	2.5	—	18339	16705
3227-12*	10-12mm	A	4 μm	Ø10mm (included)	100mm	54.5	1.5	2.5	—	18339	16705
3227-16*	12-16mm	B	4 μm	Ø16mm (included)	150mm	80	0.5	6	4.5	13650	12389
3227-20*	16-20mm	B	4 μm	Ø16mm (included)	150mm	80	0.5	6	4.5	13650	12389
3227-25*	20-25mm	B	4 μm	Ø25mm (included)	150mm	90	0.5	8	6	19115	17415
3227-30*	25-30mm	B	4 μm	Ø25mm (included)	150mm	90	0.5	8	6	19115	17415
3227-40*	30-40mm	B	4 μm	Ø40mm (included)	150mm	97	0.5	14	12	20975	19104
3227-50*	40-50mm	B	5 μm	Ø40mm (included)	150mm	97	0.5	14	12	24280	22187
3227-63*	50-63mm	C	5 μm	Ø62mm (included)	150mm	114	0.5	17.5	14.5	26371	24020
3227-75*	62-75mm	C	5 μm	Ø62mm (included)	150mm	114	0.5	17.5	14.5	28281	25767
3227-88*	75-88mm	C	5 μm	Ø87mm (included)	150mm	114	0.5	17.5	14.5	29524	26930
3227-100*	87-100mm	C	5 μm	Ø87mm (included)	150mm	114	0.5	17.5	14.5	30672	28005
3227-125*	100-125mm	C	6 μm	optional	150mm	140	0.9	29	25	32861	31875
3227-150*	125-150mm	C	6 μm	optional	150mm	140	0.9	29	25	38847	37682
3227-175*	150-175mm	C	7 μm	optional	150mm	140	0.9	29	25	46900	45493
3227-200*	175-200mm	C	7 μm	optional	150mm	140	0.9	29	25	55588	53920

To be continued

Continued from previous page

- Meet DIN863-4
- 6-12mm: graduation 0.001mm, 12-200mm: graduation 0.005mm
- Ratchet stop
- Optional accessory: setting rings (code 6312), micrometer stand and clamp (code 6301 and 6301-2)

extension rod (included)



setting ring



6-100mm: included
100-200mm: optional

micrometer stand with clamp (optional)



3227-504

Set

Code	Range	Micrometers included	Setting ring (included)	Extension rod (included)	List Price (₹)	Promotion Price (₹)
3227-123 *	6-12mm	6-8mm, 8-10mm, 10-12mm	Ø6mm, Ø8mm, Ø10mm	100mm	50730	46308
3227-202 *	12-20mm	12-16mm, 16-20mm	Ø16mm	150mm	25788	23489
3227-504 *	20-50mm	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150mm	72368	65843
3227-1004 *	50-100mm	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150mm	94479	86455

* Supplied with manufacturer inspection certificate

DIGITAL TWO POINTS/THREE POINTS INTERNAL MICROMETERS

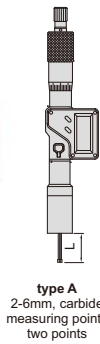
IP65
WATERPROOF

DATA
OUTPUT

INSPECTION
CERTIFICATE



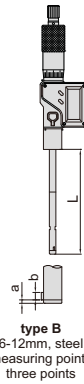
3127-5



type A
2-6mm, carbide
measuring points
two points



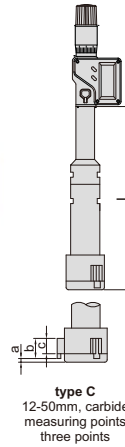
3127-12



type B
6-12mm, steel
measuring points
three points



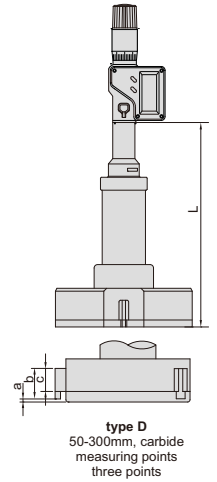
3127-40



type C
12-50mm, carbide
measuring points
three points



3127-125



type D
50-300mm, carbide
measuring points
three points

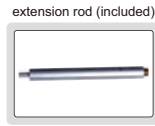
Individual

Code	Range	Type	Accuracy	Setting ring	Extension rod (included)	L	a	b	c	List Price (₹)	Promotion Price (₹)
3127-2 *	2-2.5mm/0.08-0.10"	A (two points)	6µm	Ø2.5 (included)	—	12	—	—	—	41173	37056
3127-3 *	2.5-3mm/0.10-0.12"	A (two points)	6µm	Ø2.5 (included)	—	12	—	—	—	41588	37429
3127-4 *	3-4mm/0.12-0.16"	A (two points)	6µm	Ø4 (included)	—	22	—	—	—	40253	36228
3127-5 *	4-5mm/0.16-0.20"	A (two points)	6µm	Ø5 (included)	—	22	—	—	—	40253	36228
3127-6 *	5-6mm/0.20-0.24"	A (two points)	6µm	Ø6 (included)	—	22	—	—	—	38999	35099
3127-8 *	6-8mm/0.24-0.31"	B (three points)	4µm	Ø6 (included)	100	57	1.5	2.5	—	28223	26073
3127-10 *	8-10mm/0.31-0.39"	B (three points)	4µm	Ø8 (included)	100	57	1.5	2.5	—	28223	26341
3127-12 *	10-12mm/0.39-0.47"	B (three points)	4µm	Ø10 (included)	100	57	1.5	2.5	—	28223	26341
3127-16 *	12-16mm/0.47-0.63"	C (three points)	4µm	Ø16 (included)	150	99	0.5	6	4.5	28959	27511
3127-20 *	16-20mm/0.63-0.79"	C (three points)	4µm	Ø16 (included)	150	99	0.5	6	4.5	28959	28090
3127-25 *	20-25mm/0.79-0.98"	C (three points)	4µm	Ø25 (included)	150	105	0.5	8	6	30156	29251
3127-30 *	25-30mm/0.98-1.18"	C (three points)	4µm	Ø25 (included)	150	105	0.5	8	6	30156	29251
3127-40 *	30-40mm/1.18-1.57"	C (three points)	4µm	Ø40 (included)	150	110	0.5	14	12	33238	32241
3127-50 *	40-50mm/1.57-1.97"	C (three points)	5µm	Ø40 (included)	150	110	0.5	14	12	33238	31576
3127-63 *	50-63mm/1.97-2.48"	D (three points)	5µm	Ø62 (included)	150	127	0.5	17.5	14.5	35821	32239
3127-75 *	62-75mm/2.44-2.95"	D (three points)	5µm	Ø62 (included)	150	127	0.5	17.5	14.5	37915	34124
3127-88 *	75-88mm/2.95-3.46"	D (three points)	5µm	Ø87 (included)	150	127	0.5	17.5	14.5	39410	35469
3127-100 *	87-100mm/3.43-3.94"	D (three points)	5µm	Ø87 (included)	150	127	0.5	17.5	14.5	40995	36896
3127-125 *	100-125mm/3.94-4.92"	D (three points)	6µm	optional	150	175	0.9	29	25	42237	40970
3127-150 *	125-150mm/4.92-5.91"	D (three points)	6µm	optional	150	175	0.9	29	25	48519	47063
3127-175 *	150-175mm/5.91-6.89"	D (three points)	7µm	optional	150	175	0.9	29	25	56570	54873
3127-200 *	175-200mm/6.89-7.87"	D (three points)	7µm	optional	150	175	0.9	29	25	65962	63983
3127-225 *	200-225mm/7.87-8.86"	D (three points)	8µm	optional	150	175	0.9	29	25	78948	76580
3127-250 *	225-250mm/8.86-9.84"	D (three points)	8µm	optional	150	175	0.9	29	25	92457	89683
3127-275 *	250-275mm/9.84-10.83"	D (three points)	9µm	optional	150	175	0.9	29	25	108041	104800
3127-300 *	275-300mm/10.83-11.81"	D (three points)	9µm	optional	150	175	0.9	29	25	126210	122424

To be continued

Continued from previous page

- Resolution 0.001mm/0.00005" (resolution of **3127-275** and **3127-300** is 0.001mm/0.0001")
- IP65 dust/waterproof
- Buttons: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Optional accessory: data output cable (code **7315-31**, **7302-30**), setting ring (code **6312**), micrometer stand and clamp (code **6301** and **6301-2**)



3127-202

2-100mm: included
100-300mm: optional

Set

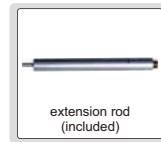
Code	Range	Micrometers included	Setting ring (included)	Extension rod (included)	List Price (₹)	Promotion Price (₹)
3127-232 *	2-3mm/0.08-0.12"	2-2.5mm, 2.5-3mm	Ø2.5mm	—	81561	73405
3127-363 *	3-6mm/0.12-0.24"	3-4mm, 4-5mm, 5-6mm	Ø4mm, Ø5mm, Ø6mm	—	120458	102389
3127-123 *	6-12mm/0.24-0.47"	6-8mm, 8-10mm, 10-12mm	Ø6mm, Ø8mm, Ø10mm	100mm	78398	73172
3127-202 *	12-20mm/0.47-0.79"	12-16mm, 16-20mm	Ø16mm	150mm	52987	51397
3127-504 *	20-50mm/0.79-1.97"	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150mm	111110	107777
3127-1004 *	50-100mm/1.97-3.94"	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150mm	130242	117218

*Supplied with manufacturer inspection certificate

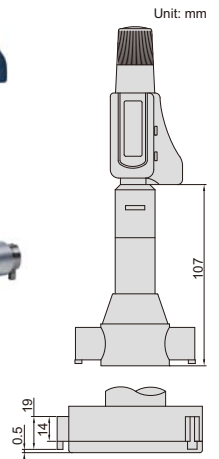
DIGITAL WIDE RANGE THREE POINTS INTERNAL MICROMETERS



- Meet DIN863-4
- Resolution 0.001mm/0.00005" (resolution of **3128-300** is 0.001mm/0.0001")
- IP54 dust/waterproof
- Buttons: on/off, set, mm/inch, ABS/INC
- Data output, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with extension rods
- Setting rings are included (except 200-300mm)
- Optional accessory: data output cable (code **7315-30**, **7302-30**)



3128-70



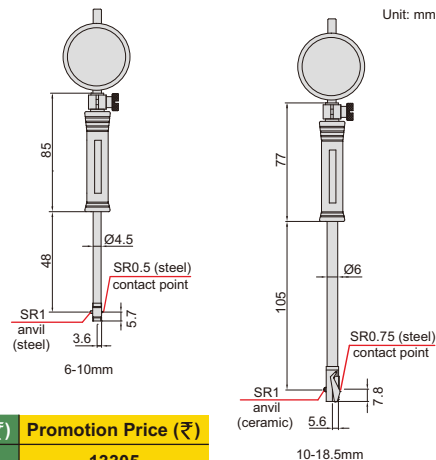
Code	Range	Accuracy	Setting ring	Extension rod (included)	List Price (₹)	Promotion Price (₹)
3128-70 *	50-70mm/1.97-2.76"	5µm	Ø50mm (included)	150mm	34878	31390
3128-100 *	70-100mm/2.76-3.94"	5µm	Ø70mm (included)	150mm	48985	44087
3128-150 *	100-150mm/3.94-5.91"	6µm	Ø100mm (included)	150mm	82494	74245
3128-250 *	150-250mm/5.91-9.84"	8µm	Ø150mm (included)	150mm	166845	150161
3128-300 *	200-300mm/7.87-11.81"	9µm	Ø200mm (optional)	150mm	232356	209120

*Supplied with manufacturer inspection certificate

PRECISION BORE GAGES FOR SMALL HOLES



- Accuracy: ±0.007mm
- Optional accessory: setting ring (code **6312**), bore gage setter



Code	Range	Indicator	Repeatability	List Price (₹)	Promotion Price (₹)
2853-10	6-10mm	dial indicator, range 1mm, graduation 0.001mm (code 2313-1FA)	0.0015mm	14636	13305
2853-18	10-18.5mm		0.0015mm	13769	12720

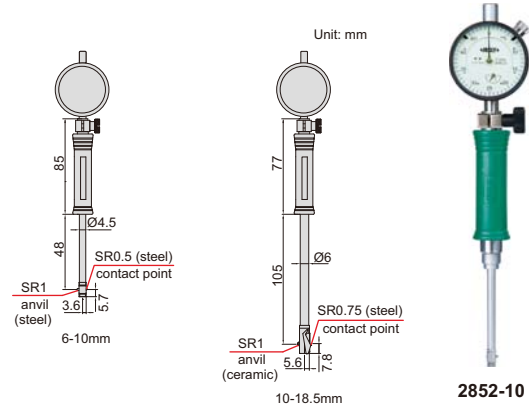


2853-10

BORE GAGES FOR SMALL HOLES

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

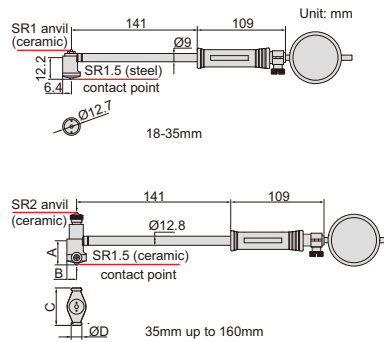
- Accuracy: $\pm 0.012\text{mm}$
- Repeatability: 0.003mm
- Optional accessory: setting ring (code **6312**), bore gage setter



Code	Range	Indicator	List Price (₹)	Promotion Price (₹)
2852-10	6-10mm	dial indicator, range 3mm, graduation 0.01mm (code 2311-3F)	10149	7851
2852-18	10-18.5mm		9155	7308

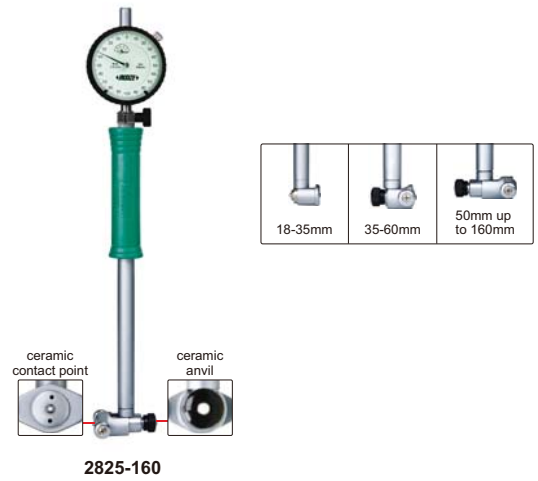
PRECISION BORE GAGES

- Repeatability: 0.0015mm
- Optional accessory: setting ring (code **6312**), long handle (code **7351**), bore gage setter



Range	A	B	C	ØD
35-60mm	22	9	27	13
50-160mm	26	9	35	13

Code	Range	Indicator	Accuracy	List Price (₹)	Promotion Price (₹)
2825-35	18-35mm	dial indicator, range 1mm, graduation 0.001mm (code 2313-1FA)	$\pm 0.007\text{mm}$	12365	11128
2825-60	35-60mm		$\pm 0.007\text{mm}$	12365	11129
2825-160	50-160mm		$\pm 0.007\text{mm}$	12365	11128

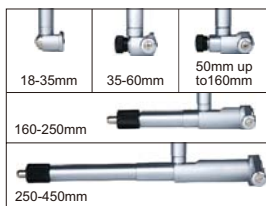


BORE GAGES

- Repeatability: 0.003mm
- Optional accessory: setting ring (code **6312**), long handle (code **7351**), bore gage setter

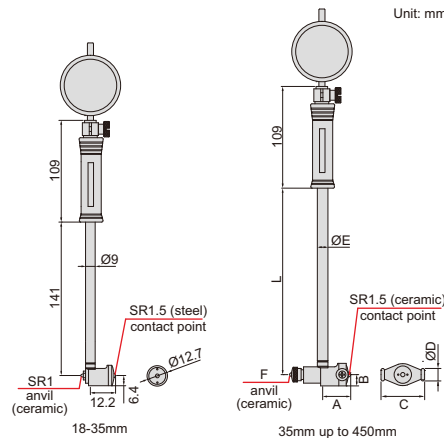


ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



POPULAR MODEL

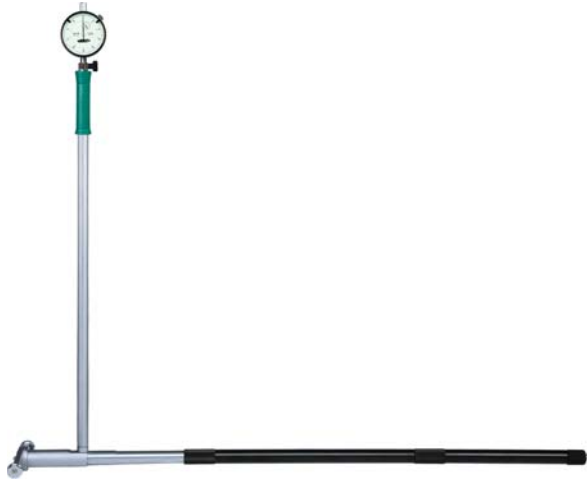
Range	A	B	C	ØD	ØE	F	L
35-60mm	22	9	27	13	12.8	SR2	141
50-160mm	26	9	35	13	12.8	SR2	141
160-250mm	56.5	13	74.5	15	12.8	SR2	241
250-450mm	86.5	15	101.5	15	14.5	SR2.5	241



Code	Range	Indicator	Accuracy	List Price (₹)	Promotion Price (₹)
2322-35A	18-35mm	dial indicator, range 10mm, graduation 0.01mm (code 2308-10FA)	$\pm 0.015\text{mm}$	7496	5674
2322-60A	35-60mm		$\pm 0.018\text{mm}$	7488	5674
2322-160A	50-160mm		$\pm 0.018\text{mm}$	7782	5890
2322-250A	160-250mm		$\pm 0.018\text{mm}$	10546	8277
2322-450A	250-450mm		$\pm 0.018\text{mm}$	10249	9429

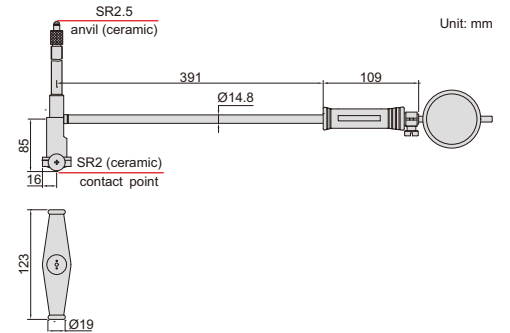


BORE GAGE



2828-800A

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



Code	Range	Accuracy	Repeatability	Indicator	List Price (₹)	Promotion Price (₹)
2828-800A	400-800mm	±0.025	0.003	dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm	14009	12608

BORE GAGE SETS

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

- Repeatability: 0.003mm
- Optional accessory: setting ring (code 6312), bore gage setter, long handle (code 7351)



2824-S160

2824-S3

packaging (code 2824-S3)

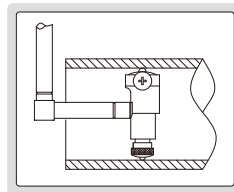


Code	Range	Indicator	Bore gages included	Accuracy	List Price (₹)	Promotion Price (₹)
2824-S160	35-160mm	dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm	① 35-50mm (dial indicator and handle are not included) ② 50-160mm	35-50mm ±0.018mm 50-160mm ±0.018mm	11289	8359
2824-S3	18-160mm	dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm	① 18-35mm ② 35-60mm (dial indicator is not included) ③ 50-160mm (dial indicator is not included)	18-35mm ±0.015mm 35-60mm ±0.018mm 50-160mm ±0.018mm	21746	14282

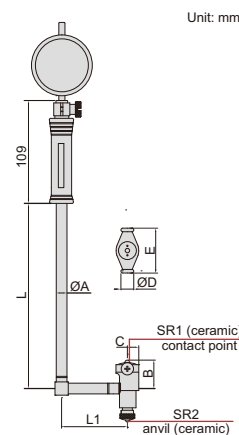
BORE GAGES

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

- Optional accessory: setting ring (code 6312), long handle (code 7351), bore gage setter



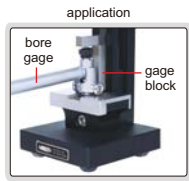
Range	ØA	B	C	ØD	E	L	L1
35-60mm	12.8	22	9	13	27	141	75
50-160mm	12.8	28.5	9.2	13	35	141	76.2



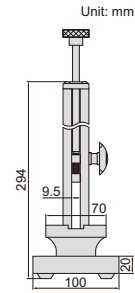
2827-160A

Code	Range	Indicator	Accuracy	Repeatability	List Price (₹)	Promotion Price (₹)
2827-60A	35-60mm	dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm	±0.018mm	0.003mm	12661	11395
2827-160A	50-160mm	dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm	±0.018mm	0.003mm	11883	10695

BORE GAGE SETTER



7353-160



horizontal use



gage blocks (included)



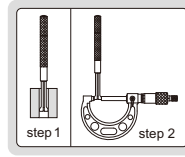
- Vertical and horizontal use
- To be used with gage blocks
- With gage block set

Gage block set

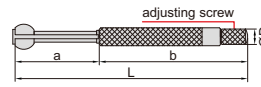
Blocks per set	Size (mm)	Step (mm)	Quantity	Remark
33	1.005	0.01	1 pc	grade 2 (ISO3650)
	1.01-1.09		9 pcs	
	1.1-1.9		9 pcs	
	1-9	1	9 pcs	
	10-30	10	3 pcs	
	50		1 pc	
	100		1 pc	

Code	Range	Repeatability	List Price (₹)	Promotion Price (₹)
7353-160	0-160mm	1.2µm	29672	26399

SMALL HOLE GAGE SET



4208-1

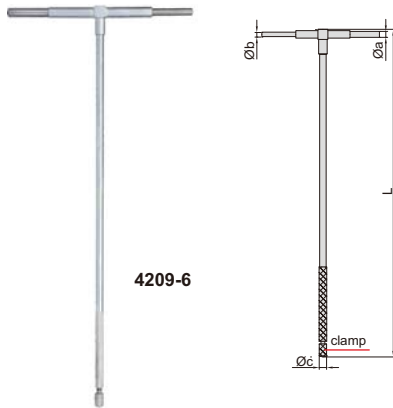
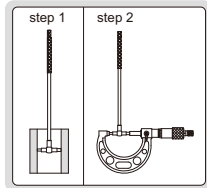


- 4 gages per set
- For small holes, slots and grooves, etc.
- Satin chrome finish

Range	L	a	b	ØD
3-5mm	76	24	52	5
5-7.5mm	79	27	52	5
7.5-10mm	88	30	58	6
10-13mm	91	34	58	6

Code	Total range	Gages included	List Price (₹)	Promotion Price (₹)
4208-1	3-13mm	3-5mm, 5-7.5mm, 7.5-10mm, 10-13mm	1224	1118

LONG HANDLE TELESCOPING GAGES



4209-6

- For quick measurement of inside diameter of deep holes and width of slots
- Satin chrome finish

(mm)

Code	Range	L	Øa	Øb	Øc	List Price (₹)	Promotion Price (₹)
4209-1	8-12.7mm	300	3.9	2.9	6.2	585	567
4209-2	12.7-19mm	300	5.3	3.8	6.2	585	567
4209-3	19-32mm	300	5.3	3.8	6.2	585	567
4209-4	32-54mm	300	7.6	6.1	7.2	649	630
4209-5	54-90mm	300	7.6	6.1	7.2	649	630
4209-6	90-150mm	300	7.6	6.1	7.2	658	638

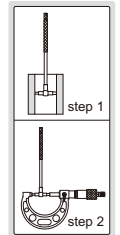
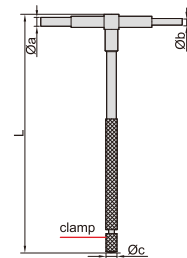
TELESCOPING GAGE SET



4206-1

- 6 gages per set
- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish

Range	L	Øa	Øb	Øc
8-12.7mm	115	3.9	2.9	6.2
12.7-19mm	115	5.3	3.8	6.2
19-32mm	115	5.3	3.8	6.2
32-54mm	137	7.6	6.1	7.2
54-90mm	137	7.6	6.1	7.2
90-150mm	137	7.6	6.1	7.2



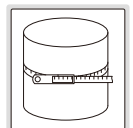
Code	Total range	Gages included	List Price (₹)	Promotion Price (₹)
4206-1	8-150mm	8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-150mm	2037	1642

CIRCUMFERENCE ROLLS

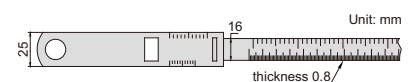
- Measure diameter and circumference of soft materials like pipes, trees, tires, etc.
- Graduation: 0.1mm
- Laser engraved scale
- Made of stainless steel



7114-950



Code	Circumference range	Diameter range	Accuracy		List Price (₹)	Promotion Price (₹)
			circumference	diameter		
7114-950	150-950mm	Ø50-300mm	±3mm	±1mm	875	788
7114-2200	940-2200mm	Ø300-700mm	±3mm	±1mm	1081	973
7114-3460	2190-3460mm	Ø700-1100mm	±3mm	±1mm	1471	1324



08

ARC RADIUS MEASUREMENT



Outside Diameter Measuring Instruments
Page 62



Outside Diameter Variation Measuring Instruments
Page 63



Digital Radius Gages
Page 63-64



Digital Radius Gages
Page 64



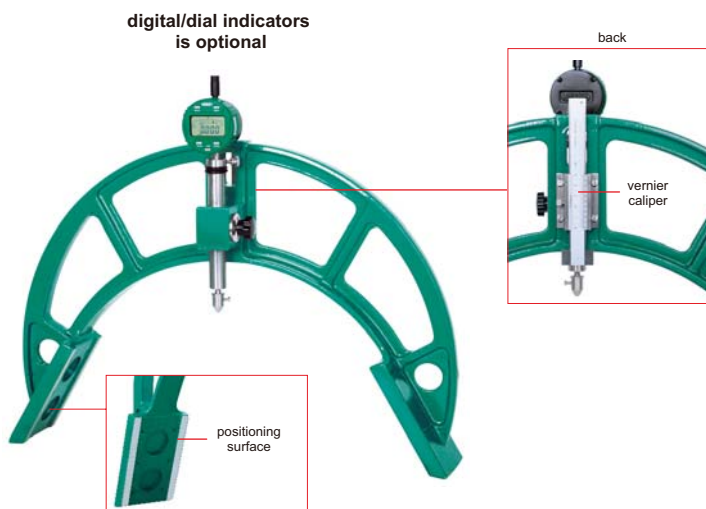
Digital Arc Radius Calipers
Page 64



Digital Radius Calipers
Page 64

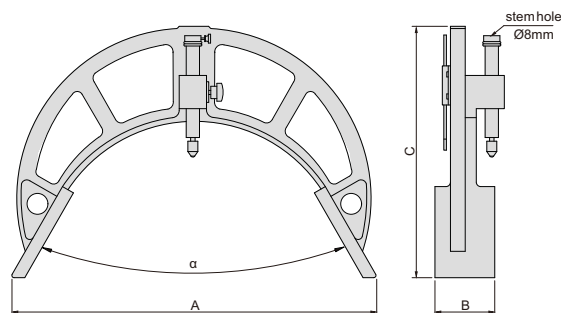


OUTSIDE DIAMETER MEASURING INSTRUMENTS



2716-500

- Comparison measurement by digital/dial indicators. Need standard workpieces to set zero. Measure diameter/convex/concave/taper/roundness and other parameters, can also measure the wear and surface scratch of the workpieces
- Diameter measurement by vernier caliper, graduation: 0.02mm
- The frame is made of aluminum magnesium alloy with lightweight and high strength
- Optional accessory: 0.01mm or 0.001mm digital/dial indicators

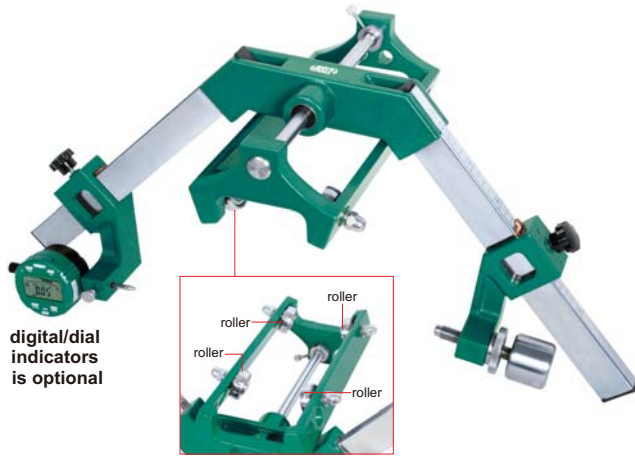


(mm)

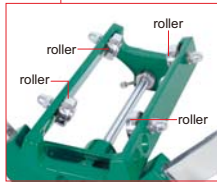
Code	Range (diameter)	Repeatability (by digital/dial indicators)	Accuracy (by vernier caliper)	α	A	B	C	List Price (₹)	Promotion Price (₹)
2716-60	18-60	0.01mm	0.04mm	60°	140	60	160	163382	147044
2716-120	60-120	0.01mm	0.04mm	60°	160	65	192	162414	146173
2716-200	120-200	0.01mm	0.04mm	60°	225	70	228	193697	174327
2716-300	200-300	0.01mm	0.04mm	60°	330	80	262	ON REQUEST	ON REQUEST
2716-400	300-400	0.01mm	0.04mm	60°	405	80	303	ON REQUEST	ON REQUEST
2716-500	400-500	0.01mm	0.04mm	60°	494	80	340	ON REQUEST	ON REQUEST
2716-600	500-600	0.01mm	0.04mm	60°	594	80	398	ON REQUEST	ON REQUEST
2716-700	600-700	0.01mm	0.04mm	60°	685	80	446	ON REQUEST	ON REQUEST
2716-800	700-800	0.01mm	0.04mm	60°	772	80	479	ON REQUEST	ON REQUEST
2716-900	800-900	0.01mm	0.04mm	60°	860	80	520	ON REQUEST	ON REQUEST
2716-1000	900-1000	0.01mm	0.04mm	60°	950	80	560	ON REQUEST	ON REQUEST
2716-1100	1000-1100	0.01mm	0.04mm	60°	1035	90	575	ON REQUEST	ON REQUEST
2716-1200	1000-1200	0.01mm	0.08mm	83.62°	960	100	460	ON REQUEST	ON REQUEST
2716-1300	1100-1300	0.01mm	0.08mm	83.62°	1000	100	485	ON REQUEST	ON REQUEST
2716-1400	1200-1400	0.01mm	0.08mm	83.62°	1100	100	512	ON REQUEST	ON REQUEST
2716-1600	1400-1600	0.01mm	0.08mm	83.62°	1260	100	540	ON REQUEST	ON REQUEST
2716-1800	1600-1800	0.01mm	0.08mm	83.62°	1460	100	570	ON REQUEST	ON REQUEST
2716-2000	1800-2000	0.01mm	0.08mm	83.62°	1645	100	605	ON REQUEST	ON REQUEST

OUTSIDE DIAMETER VARIATION MEASURING INSTRUMENTS

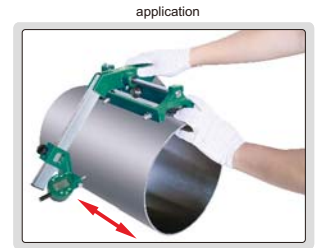
CAN BE CUSTOM-MADE



digital/dial indicators is optional

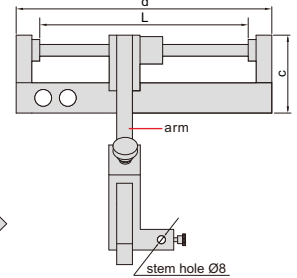
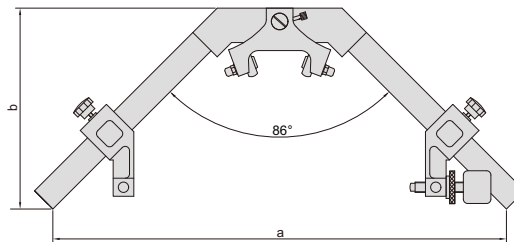


2715-350



application

Unit: mm



- Measurement of diameter variation, convexity, concavity, taper and other parameters
- Continuous measurement in the axis direction
- Four rollers are included
- Optional accessory: 0.01mm or 0.001mm graduation digital/dial indicators

(mm)

Code	Range (diameter)	Accuracy	Repeatability	Arm moving range (L)	a	b	c	d	List Price (₹)	Promotion Price (₹)
2715-350	100-350mm/4-14"	0.01mm	3µm	200mm	500	230	80	260	ON REQUEST	ON REQUEST
2715-500	200-500mm/8-20"	0.01mm	3µm	151mm	630	260	95	260	ON REQUEST	ON REQUEST
2715-700	300-700mm/12-28"	0.01mm	3µm	197mm	910	372	112	320	ON REQUEST	ON REQUEST
2715-1000	500-1000mm/20-40"	0.01mm	3µm	190mm	1170	460	120	320	ON REQUEST	ON REQUEST
2715-1600	800-1600mm/32-64"	0.02mm	6µm	202mm	1860	690	180	320	ON REQUEST	ON REQUEST
2715-2000	1400-2000mm/56-80"	0.02mm	6µm	232mm	2156	860	210	350	ON REQUEST	ON REQUEST

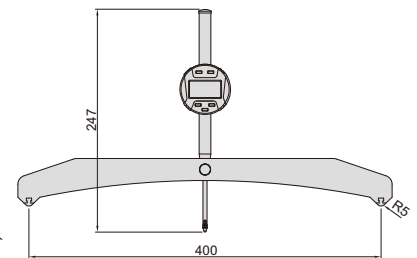
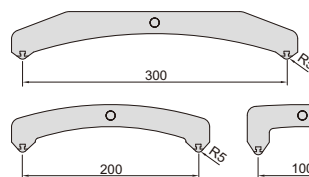
LARGE RANGE DIGITAL RADIUS GAGE

ATTENTION: NO DATA OUTPUT

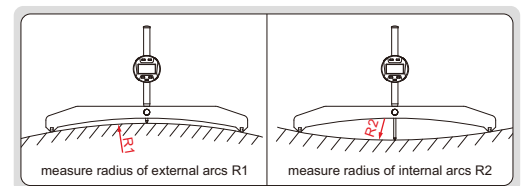
Unit: mm



2197



- Measure radius of internal or external arcs
- Resolution: 0.01mm/0.001"
- Buttons: on/off, hold, mm/inch, s (select jaws), zero
- Display can be rotated by 320°
- Supplied with 4 jaws for different sizes of arc
- Battery CR2032, automatic power off (time is adjustable)



Code	Range of external radius (R1)	Range of internal radius (R2)	Accuracy (mm)	List Price (₹)	Promotion Price (₹)
2197	100-15000mm/4-590"	100-15000mm/4-590"	±0.005R*	199081	189127

*R is the radius to be measured. For example, radius is 100mm, the accuracy is ±0.005x100=±0.5mm



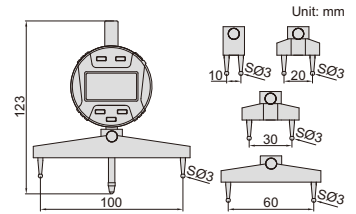
DIGITAL RADIUS GAGE (LOW ACCURACY)

ATTENTION: NO DATA OUTPUT

- Resolution: 0.01mm/0.001"
- Buttons: on/off, hold, mm/inch, s (select jaws), zero
- Measure radius of internal or external arcs
- Display can be rotated by 320°
- Supplied with 5 jaws for different sizes of arc
- Battery CR2032
- Automatic power off (time is adjustable)

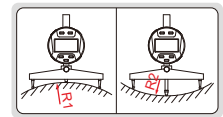


2183



Code	Range of external radius (R1)	Range of internal radius (R2)	Accuracy (mm)	List Price (₹)	Promotion Price (₹)
2183	5-910mm/0.2-35.83"	7-910mm/0.3-35.83"	±0.01R*	20641	18629

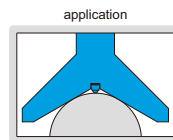
*R is the radius to be measured. For example, radius is 100mm, the accuracy is ±0.01x100=±1mm



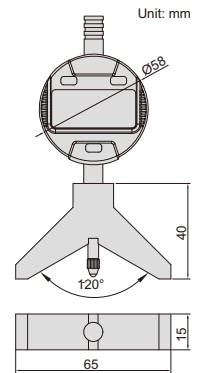
DIGITAL RADIUS GAGE

DATA OUTPUT

- Measure radius of external arc, arc angle of measured surface should be larger than 60°
- Display radius value, no need to calculate
- Button function: on/off, zero, data preset, inch/mm
- Keep preset data in memory after restart
- CR2032 battery, data output
- Automatic power off (time is adjustable)
- Stainless steel base
- Supplied with pin gage for zero setting
- Optional accessory: data output cable (code 7315-50M, 7302-40M)



2188-55



Code	Range (radius)	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2188-55	4-53mm/0.16-2.09"	0.01mm/0.0005"	±0.02mm	20639	17629



DIGITAL ARC RADIUS CALIPERS

DATA OUTPUT

- Non waterproof
- Measure the radius of arc less than half round
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



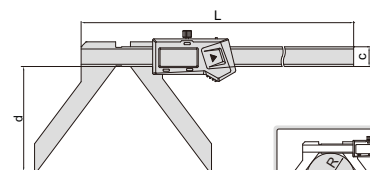
1189-200B

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range (R)	Accuracy	L	c	d	List Price (₹)	Promotion Price (₹)
1189-150B	5-150mm/0.2-6"	±0.05mm	263mm	16mm	65mm	15266	13739
1189-200B	5-200mm/0.2-8"	±0.07mm	313mm	16mm	85mm	18743	16869

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range (R)	Accuracy	L	c	d	List Price (₹)	Promotion Price (₹)
1189-150BWL	5-150mm/0.2-6"	±0.05mm	263mm	16mm	65mm	21033	18930
1189-200BWL	5-200mm/0.2-8"	±0.07mm	313mm	16mm	85mm	22463	20217



DIGITAL RADIUS CALIPERS

ATTENTION: THE ACTUAL RADIUS IS 2.414 TIMES OF THE READING

DATA OUTPUT

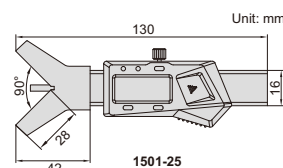
- Non waterproof
- Measure radius of external arc, arc angle of measured surface should be larger than 90°
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with pin gage for zero setting



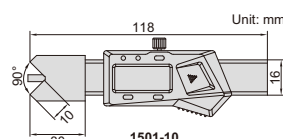
1501-25



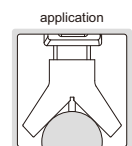
1501-10



1501-25



1501-10



1501-10 can measure small workpieces or workpieces with steps

Code	Range (radius)	Accuracy	List Price (₹)	Promotion Price (₹)
1501-25	2-25mm/0.079-1"	±0.05mm	10803	9723
1501-10	2-10mm/0.079-0.394"	±0.05mm	10803	9723



Chamfer Gages
Page 66



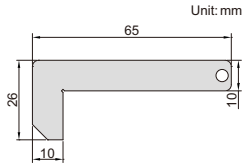
Digital Chamfer Gages
Page 66



Digital Chamfer Gages
Page 66

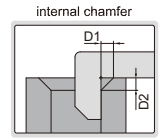
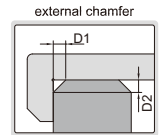
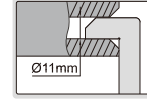
CHAMFER GAGE

- Accuracy: $\pm 0.25\text{mm}$
- To measure internal and external chamfers
- Made of stainless steel



4844-1

for internal chamfer measurement, diameter should be larger than $\text{Ø}11\text{mm}$

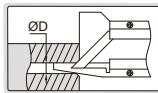


Code	Graduation	List Price (₹)	Promotion Price (₹)
4844-1	0.5mm	435	383

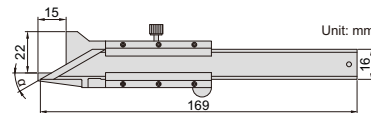
CHAMFER GAGES

- Measure $30^\circ/45^\circ/60^\circ$ chamfer dimension
- Accuracy: $\pm 0.06\text{mm}$
- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface

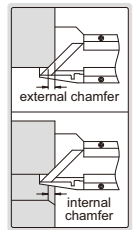
for internal chamfer measurement, diameter should be larger than ØD



1267-6



measure chamfer dimension



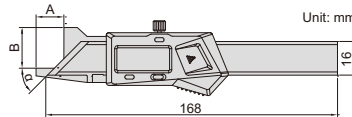
Code	Range	Chamfer (α)	ØD	List Price (₹)	Promotion Price (₹)
1267-6	0-10mm	45°	7mm	6141	5611
1267-63	0-10mm	30°	8mm	7442	6798
1267-66	0-10mm	60°	7mm	7442	6798

DIGITAL CHAMFER GAGES

- Non waterproof
- Measure $30^\circ/45^\circ/60^\circ$ chamfer dimension
- Resolution: $0.01\text{mm}/0.0005"$
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

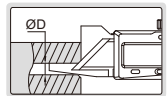


1180-6

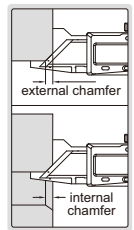


DATA OUTPUT

for internal chamfer measurement, diameter should be larger than ØD



measure chamfer dimension

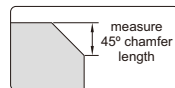


Code	Range	Accuracy	Chamfer (α)	A	B	ØD	List Price (₹)	Promotion Price (₹)
1180-6	0-10mm/0-0.39"	$\pm 0.06\text{mm}$	45°	15mm	22mm	7mm	7794	6889
1180-63	0-10mm/0-0.39"	$\pm 0.06\text{mm}$	30°	15mm	22mm	8mm	9622	8789
1180-66	0-10mm/0-0.39"	$\pm 0.06\text{mm}$	60°	14mm	21mm	7mm	9744	8789

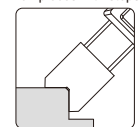
DIGITAL CHAMFER GAGES



- Non waterproof
- Measure 45° chamfer length
- Resolution: $0.01\text{mm}/0.0005"$
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with pin gage for zero setting



1537-8 can measure small workpieces or workpieces with steps



pin gage (included)



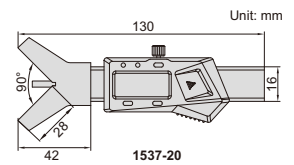
DATA OUTPUT

ATTENTION: THE ACTUAL LENGTH IS 1.414 TIMES OF THE READING

ATTENTION: CHAMFER OF HOLES CANNOT BE MEASURED



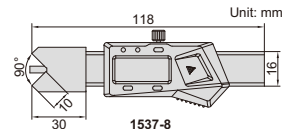
1537-20



1537-20



1537-8



1537-8

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1537-20	0-20mm/0-0.787"	$\pm 0.05\text{mm}$	9324	8518
1537-8	0-8mm/0-0.315"	$\pm 0.05\text{mm}$	9324	8518

10

INDICATORS, LINEAR GAGES, DIAL INDICATOR STANDS



Dial Test Indicators
Page 68-69



Digital Indicators
Page 70-73/74



Zeroing Foot Switches
Page 74



High Precision Digital Indicators
Page 75



Dial Indicators
Page 75-77



Points
Page 77-78



Backs
Page 79



Linear Gages And Display Units
Page 79-80



Dial Test Indicator Holders
Page 81



Magnetic Stands
Page 82-84



Dial Indicator Stands (Non-Magnetic)
Page 84-85



Dial Indicator Stands
Page 85-86

DIAL TEST INDICATORS

JEWELLED BEARING

INSPECTION CERTIFICATE

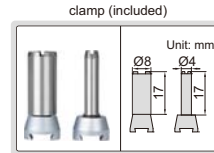
POPULAR MODEL

Graduation: 0.01mm (mm)

Code	Range	Accuracy	Hysteresis	Dial reading	A	L	List Price (₹)	Promotion Price (₹)
2380-08*	0.8mm	13µm	3µm	0-40-0	Ø30	13.5	3169	2634
2381-08*	0.8mm	13µm	3µm	0-40-0	Ø37	13.5	3306	2912

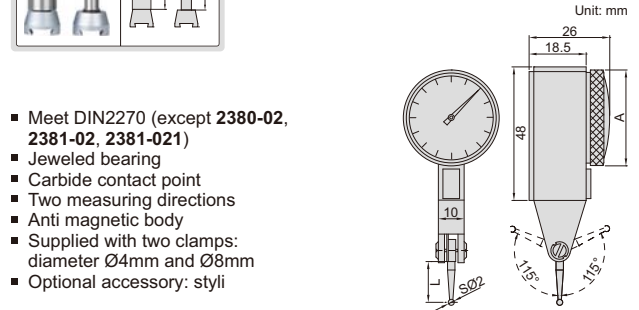


2380-08



Graduation: 0.002mm (mm)

Code	Range	Accuracy	Hysteresis	Dial reading	A	L	List Price (₹)	Promotion Price (₹)
2380-02*	0.2mm	6µm	2µm	0-100-0	Ø30	12.5	5947	5257
2381-02*	0.2mm	6µm	2µm	0-100-0	Ø37	12.5	5677	4939



- Meet DIN2270 (except 2380-02, 2381-02, 2381-021)
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli

Graduation: 0.001mm (mm)

Code	Range	Accuracy	Hysteresis	Dial reading	A	L	List Price (₹)	Promotion Price (₹)
2381-021*	0.2mm	6µm	2µm	0-100-0	Ø37	12.5	5910	4799

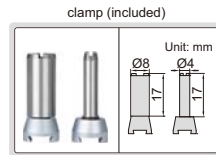
*Supplied with manufacturer inspection certificate

LONG STYLUS DIAL TEST INDICATOR

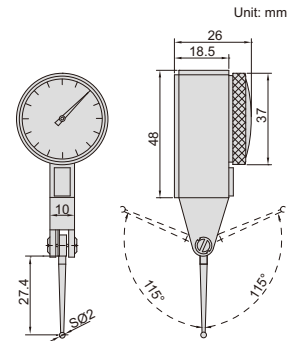
INSPECTION CERTIFICATE

JEWELLED BEARING

- Meet DIN2270
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



2383-08A



Code	Range	Graduation	Accuracy	Hysteresis	Dial reading	List Price (₹)	Promotion Price (₹)
2383-08A*	0.8mm	0.01mm	13µm	3µm	0-40-0	6115	5504

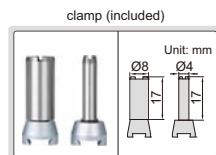
*Supplied with manufacturer inspection certificate

VERTICAL TYPE DIAL TEST INDICATOR

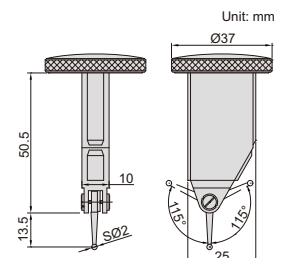
INSPECTION CERTIFICATE

JEWELLED BEARING

- Meet DIN2270
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



2398-08

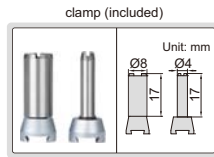


Code	Range	Graduation	Accuracy	Hysteresis	Dial reading	List Price (₹)	Promotion Price (₹)
2398-08*	0.8mm	0.01mm	13µm	3µm	0-40-0	4561	4105

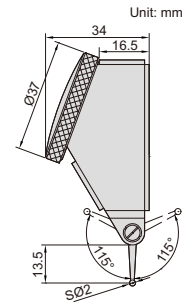
*Supplied with manufacturer inspection certificate

TILTED FACE TYPE DIAL TEST INDICATOR

- Meet DIN2270
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



2399-08

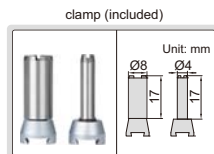


Code	Range	Graduation	Accuracy	Hysteresis	Dial reading	List Price (₹)	Promotion Price (₹)
2399-08*	0.8mm	0.01mm	13µm	3µm	0-40-0	4561	3877

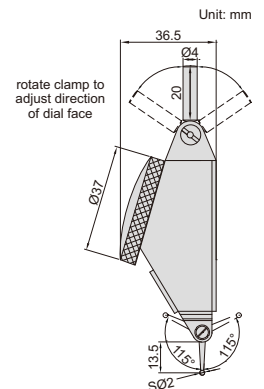
*Supplied with manufacturer inspection certificate

LARGE RANGE DIAL TEST INDICATOR

- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



2386-16A

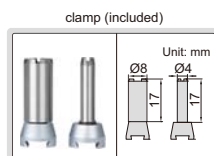


Code	Range	Graduation	Accuracy	Hysteresis	Dial reading	List Price (₹)	Promotion Price (₹)
2386-16A*	1.6mm	0.01mm	25µm	8µm	0-40-0	7589	6548

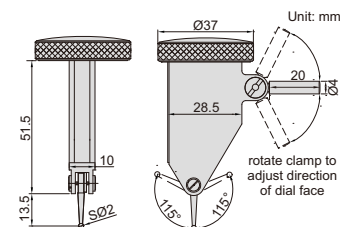
*Supplied with manufacturer inspection certificate

LARGE RANGE VERTICAL TYPE DIAL TEST INDICATOR

- Dial Reading: 0-40-0
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



2480-16



Code	Range	Graduation	Accuracy	Hysteresis	List Price (₹)	Promotion Price (₹)
2480-16*	1.6mm	0.01mm	18µm	3µm	8307	7476

*Supplied with manufacturer inspection certificate

DIGITAL INDICATORS (STANDARD TYPE)

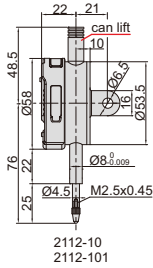
POPULAR MODEL

DATA OUTPUT

INSPECTION CERTIFICATE



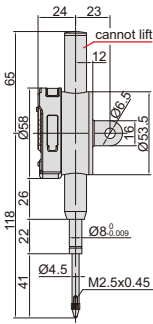
2112-10



2112-10
2112-101



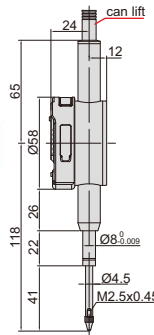
2112-251



2112-25
2112-251



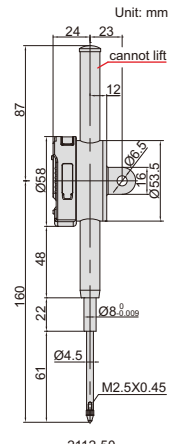
2112-25P



2112-25P
2112-251P



2112-501



2112-50
2112-501

Unit: mm

- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Switchable high/low frequency measurement mode, high frequency mode is suitable for high speed moving of spindle and has large power consumption, low power consumption in low frequency mode
- Keep preset data in memory after restart
- CR2032 battery, automatic power off (time is adjustable), data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs, contact points

spindle lift knob is included



Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark	List Price (₹)	Promotion Price (₹)
2112-101F*	12.7mm/0.5"	5µm	2µm	1.5N	flat back	10927	9288
2112-251F*	25.4mm/1"	5µm	3µm	2.2N	flat back	10394	9874
2112-501F*	50.8mm/2"	6µm	3µm	2.5N	flat back	21947	18655
2112-101*	12.7mm/0.5"	5µm	2µm	1.5N	lug back	11647	8631
2112-251*	25.4mm/1"	5µm	3µm	2.2N	lug back	10579	10050
2112-501*	50.8mm/2"	6µm	3µm	2.5N	lug back	22017	18714
2112-251P*	25.4mm/1"	5µm	3µm	2.2N	flat back, with lift cap	13779	12401
2112-501P*	50.8mm/2"	6µm	3µm	2.5N	flat back, with lift cap	24910	22419

2112-251P/501P/25P/50P



Resolution 0.01mm/0.0005"

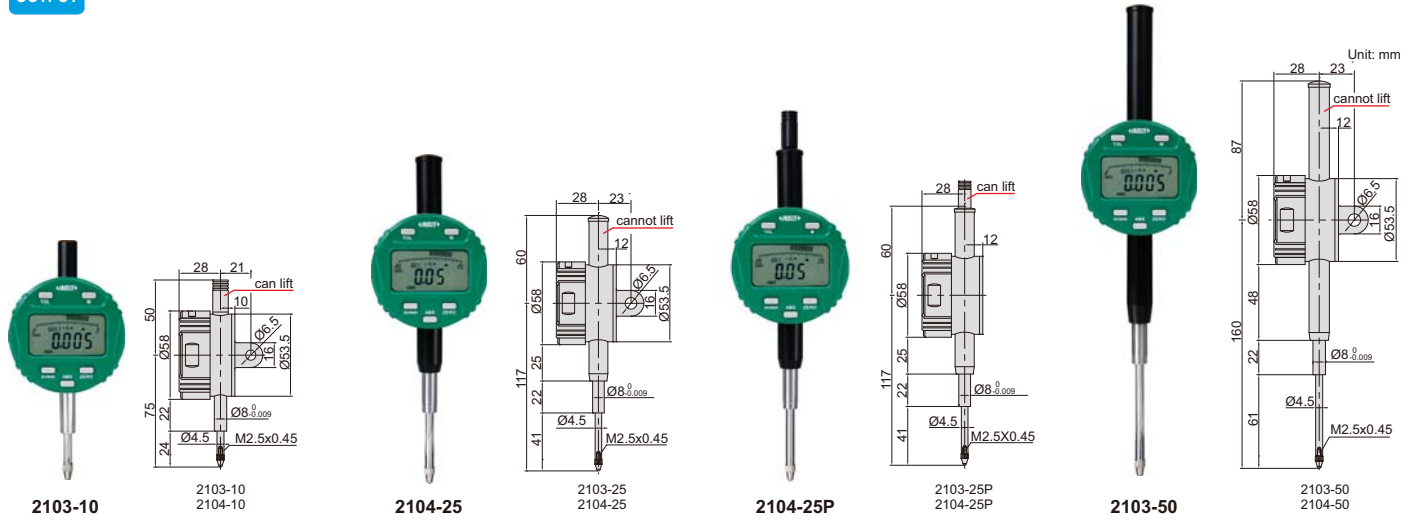
Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark	List Price (₹)	Promotion Price (₹)
2112-10F*	12.7mm/0.5"	20µm	10µm	1.5N	flat back	3761	3573
2112-25F*	25.4mm/1"	20µm	10µm	2.2N	flat back	5028	4777
2112-50F*	50.8mm/2"	30µm	10µm	2.5N	flat back	14301	12156
2112-10*	12.7mm/0.5"	20µm	10µm	1.5N	lug back	4512	3713
2112-25*	25.4mm/1"	20µm	10µm	2.2N	lug back	5206	4946
2112-50*	50.8mm/2"	30µm	10µm	2.5N	lug back	14372	12216
2112-25P*	25.4mm/1"	20µm	10µm	2.2N	flat back, with lift cap	6977	6279
2112-50P*	50.8mm/2"	30µm	10µm	2.5N	flat back, with lift cap	15533	13980

*Supplied with manufacturer inspection certificate

DIGITAL INDICATORS (ADVANCED TYPE)

DATA OUTPUT

INSPECTION CERTIFICATE



- Reading in digital and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs, contact points

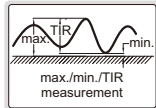
2103-25P/50P
2104-25P/50P



spindle lift knob is included



max./min./TIR



analog pointer



warning when over tolerance



Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark	List Price (₹)	Promotion Price (₹)
2103-10F*	12.7mm/0.5"	5µm	2µm	1.5N	flat back	14443	12277
2103-25F*	25.4mm/1"	5µm	3µm	2.2N	flat back	15660	13311
2103-50F*	50.8mm/2"	6µm	3µm	2.5N	flat back	25126	21357
2103-10*	12.7mm/0.5"	5µm	2µm	1.5N	lug back	14487	12509
2103-25*	25.4mm/1"	5µm	3µm	2.2N	lug back	15663	13314
2103-50*	50.8mm/2"	6µm	3µm	2.5N	lug back	25060	21301
2103-25P*	25.4mm/1"	5µm	3µm	2.2N	flat back, with lift cap	17424	15682
2103-50P*	50.8mm/2"	6µm	3µm	2.5N	flat back, with lift cap	27490	24741

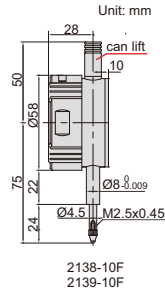
Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark	List Price (₹)	Promotion Price (₹)
2104-10F*	12.7mm/0.5"	20µm	10µm	1.5N	flat back	6739	5728
2104-25F*	25.4mm/1"	20µm	10µm	2.2N	flat back	8704	7398
2104-50F*	50.8mm/2"	30µm	10µm	2.5N	flat back	18070	15360
2104-10*	12.7mm/0.5"	20µm	10µm	1.5N	lug back	6622	6061
2104-25*	25.4mm/1"	20µm	10µm	2.2N	lug back	8687	7384
2104-50*	50.8mm/2"	30µm	10µm	2.5N	lug back	18019	15316
2104-25P*	25.4mm/1"	20µm	10µm	2.2N	flat back, with lift cap	9709	8738
2104-50P*	50.8mm/2"	30µm	10µm	2.5N	flat back, with lift cap	19153	17237

*Supplied with manufacturer inspection certificate

DIGITAL INDICATORS (WITH TRANSMISSION BUTTON AND SIGNAL LIGHT)

- Reading in digital and analog
- Display can be rotated by 320°
- Button function: on/off, zero, tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement, data output
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs, contact points



INSPECTION CERTIFICATE

DATA OUTPUT



VIDEO



display can be rotated by 320°

Resolution 0.001mm/0.00005"

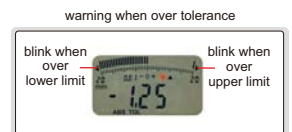
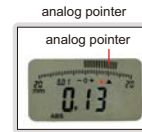
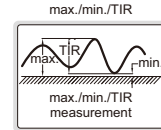
Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark	List Price (₹)	Promotion Price (₹)
2138-10F*	12.7mm/0.5"	5µm	2µm	1.5N	flat back	12991	12341

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Maximum measuring force	Remark	List Price (₹)	Promotion Price (₹)
2139-10F*	12.7mm/0.5"	20µm	10µm	1.5N	flat back	6786	6447

*Supplied with manufacturer inspection certificate

2138-10F



WATERPROOF DIGITAL INDICATORS

WATERPROOF

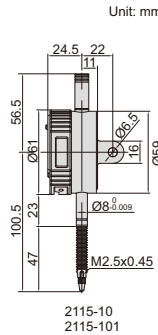
DATA OUTPUT

INSPECTION CERTIFICATE

- Dust/waterproof
- Button function: on/off, zero, mm/inch, data preset, tolerance, change measuring direction, max./min./TIR measurement, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), backs, contact points



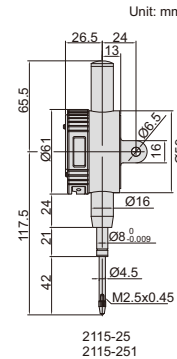
2115-10



2115-10
2115-101



2115-25



2115-25
2115-251

warning when over tolerance



spindle lift knob is included (except 2115-101, 2115-10)



Resolution 0.001mm/0.00005"

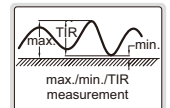
Code	Range	Dust/waterproof	Accuracy	Hysteresis	Remark	List Price (₹)	Promotion Price (₹)
2115-101*	12.7mm/0.5"	IP65	5µm	2µm	lug back	14082	11970
2115-251*	25.4mm/1"	IP54	5µm	3µm	lug back	18077	15365

Resolution 0.01mm/0.0005"

Code	Range	Dust/waterproof	Accuracy	Hysteresis	Remark	List Price (₹)	Promotion Price (₹)
2115-10*	12.7mm/0.5"	IP65	20µm	10µm	lug back	6192	5263
2115-25*	25.4mm/1"	IP54	20µm	10µm	lug back	8136	6916

*Supplied with manufacturer inspection certificate

max./min./TIR

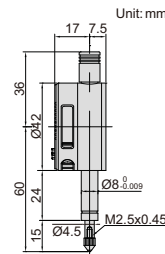


COMPACT DIGITAL INDICATORS

INSPECTION CERTIFICATE

DATA OUTPUT

- Button function:
 - in/mm: short press for inch/metric conversion
 - long press to change measuring direction
 - ABS: short press for absolute/incremental measurement
 - long press to preset data
 - O/ON: short press to turn on when power is off
 - short press to set zero when power is on
 - long press to turn off
- Keep preset data in memory after restart
- CR1632 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M), contact points



2114-5F

Code	Range	Resolution	Accuracy	Hysteresis	Remark	List Price (₹)	Promotion Price (₹)
2114-5F*	5mm/0.2"	0.01mm/0.0005"	20µm	10µm	flat back	5034	4279
2114-51F*	5mm/0.2"	0.001mm/0.00005"	5µm	2µm	flat back	12241	10405

*Supplied with manufacturer inspection certificate

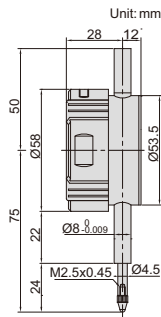
**DIGITAL INDICATORS FOR BORE GAGES
(WITH TRANSMISSION BUTTON AND SIGNAL LIGHT)**



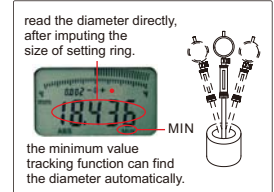
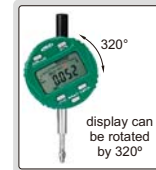
DATA OUTPUT

THE ORIGINAL DATA REMAINS AFTER POWER OFF

- Specially designed for bore gages
- The minimum value tracking function can find the diameter automatically
- Read the diameter directly, after inputting the size of setting ring
- Reading in digital and analog
- Display can be rotated by 320°
- Button function: on/off, minimum value tracking, calibration, data preset, inch/metric conversion
- Data remains after power off, no need to recalibrate after power on
- CR2032 battery
- Automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code **7315-50M**, **7302-40M**, **7305-40M**), backs, contact points, spindle lift knob



2108-10F

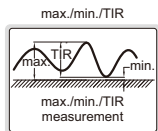


Code	Range	Resolution	Accuracy	Hysteresis	Remark	List Price (₹)	Promotion Price (₹)
2108-10F*	12.7mm/0.5"	0.002mm/0.0001" (can switch to: 0.01mm/0.0005")	20µm	10µm	flat back	8920	7582
2108-101F*	12.7mm/0.5"	0.001mm/0.00005"	5µm	2µm	flat back	17736	15076

*Supplied with manufacturer inspection certificate

LARGE STROKE DIGITAL INDICATORS

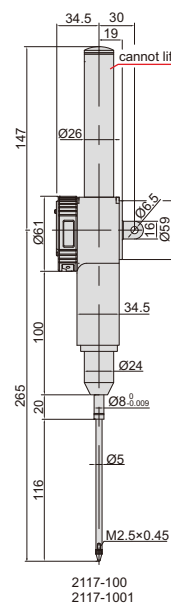
DATA OUTPUT



- Button function: on/off, zero, mm/inch, data preset, tolerance, change measuring direction, max./min./TIR measurement, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off
- Maximum measuring force: 3.2N
- Data output
- Optional accessory: data output cable (code **7315-50M**, **7302-40M**, **7305-40M**), backs, contact points



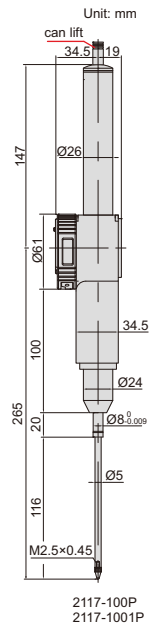
2117-100



2117-100
2117-1001



2117-100P



2117-100P
2117-1001P

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark	List Price (₹)	Promotion Price (₹)
2117-100	100mm/4"	30µm	10µm	lug back	34672	31205
2117-100P	100mm/4"	30µm	10µm	flat back, with lift cap	36136	32522

Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark	List Price (₹)	Promotion Price (₹)
2117-1001	100mm/4"	9µm	3µm	lug back	65541	58987
2117-1001P	100mm/4"	9µm	3µm	flat back, with lift cap	66852	60167

2117-100P/1001P



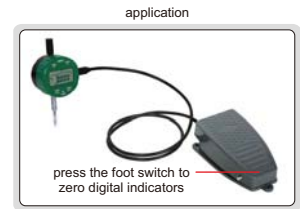
ZEROING FOOT SWITCH

- For zeroing of digital indicators



7360-1M

Code	Description	Interface of digital indicators	Applicable products	List Price (₹)	Promotion Price (₹)
7360-1M	zeroing foot switch with cable (length 2.5m)		for digital indicators	4628	3934

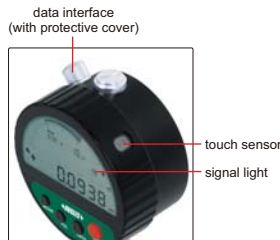


INDUCTIVE DIGITAL COMPARATOR

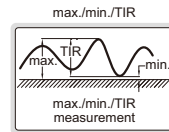
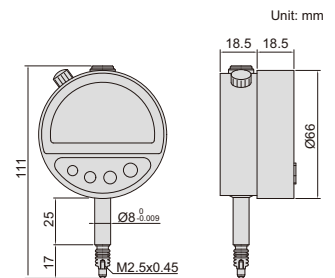
IP54 WATERPROOF **DATA OUTPUT**

ATTENTION: RECHARGEABLE BATTERY, FOR 12 HOURS CONTINUOUS WORKING

- Built-in wireless transmission
- IP54 dust/waterproof
- Reading in digital and analog
- Display can be rotated by 320°
- Can store 10 set parameters, and the parameter can be searched and recalled
- 999 groups value can be stored
- Touch sensor: use the sensor to transmit data, avoiding press the button to cause deformation of the dial indicator stand and affect the zero position
- Button function: on/off, zero, data hold, measuring direction change, inch/metric conversion, data preset, absolute/incremental measurement, max./min./TIR measurement, tolerance Go and No-Go display, data output, analog pointer resolution and range change, print data
- Power: rechargeable battery, for 12 hours continuous working
- Ruby probe
- Data output
- Optional accessory: receiver (code 2149-RE, transmission distance is 2 meters), printer (code ISF-DF-PRINTER)



2149-2



Code	Range	Resolution	Accuracy	Hysteresis	Repeatability	Measuring force	List Price (₹)	Promotion Price (₹)
2149-2	2mm/0.08"	0.1µm/0.000005"	0.5µm	0.2µm	0.3µm	0.8-1N	39027	37076

HIGH PRECISION DIGITAL INDICATORS



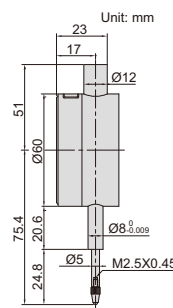
ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

- Range: 12.7mm/0.5"
- Flat back
- Linear ball bearings for ten million times use
- Absolutely encoder, the original data remains after power off
- Reading in digital and analog
- Data output, with flat back
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, mm/inch, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working
- Optional accessory: contact points, wireless transmitter, code 7315-60, data output cable (keyboard format), code 7302-60, data output cable (serial port format), code 7305-G60, (cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)

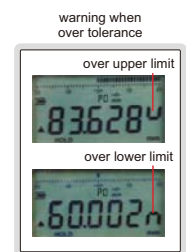
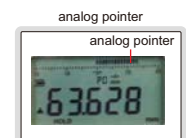
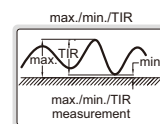


2133-10



DATA OUTPUT

LINEAR BALL BEARINGS FOR TEN MILLION TIMES USE



Standard precision

Carbide probe
Adjustable resolution: 0.0005mm/0.00002"
0.001mm/0.00005"
0.01mm/0.0005"

High precision

Ruby probe
Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.00005"
0.01mm/0.0005"

Code	Accuracy	Hysteresis	List Price (₹)	Promotion Price (₹)
2133-10*	3µm	1.5µm	16764	14414

Code	Accuracy	Hysteresis	List Price (₹)	Promotion Price (₹)
2133-101*	1.5µm	1µm	27715	23829

*Supplied with manufacturer inspection certificate

HIGH PRECISION DIGITAL INDICATOR

LINEAR BALL BEARINGS
FOR TEN MILLION TIMES USE

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

DATA
OUTPUT

Ø28MM STEM SUITABLE FOR
REINFORCED CLAMPING

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

- Linear ball bearings for ten million times use
- Ø28mm stem suitable for reinforced clamping
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.00005"
0.01mm/0.0005"
- Reading in digital and analog
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, mm/inch, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working
- Ruby probe

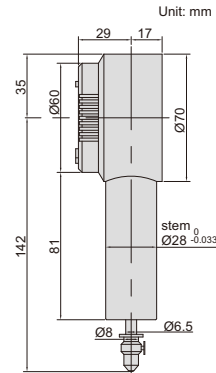
With data interface

Optional accessory:
wireless transmitter, code **7315-60**,
data output cable (keyboard format), code **7302-60**
data output cable (serial port format), code **7305-G60**
(cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)

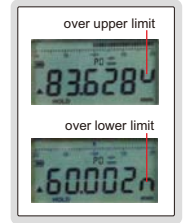
Code	Range	Accuracy	Hysteresis	Remark	List Price (₹)	Promotion Price (₹)
2140-6	0-6mm/0-0.24"	1.6µm	0.8µm	flat back	26472	25678



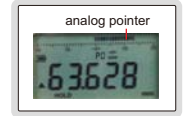
2140-6



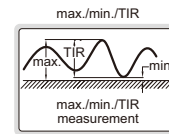
warning when
over tolerance



analog pointer



receiver 2134-R1,
2134-R2 (optional)



PRECISION DIAL INDICATORS

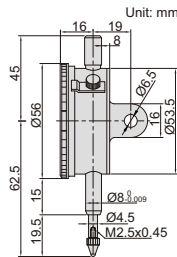
INSPECTION
CERTIFICATE

JEWELLED
BEARING



2313-1A

- Graduation: 0.001mm
- Dial reading: 0-100-0
- Range/rev: 0.2mm
- With lug back
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points



Code	Range	Accuracy	Hysteresis	List Price (₹)	Promotion Price (₹)
2313-1A*	1mm	5µm	2µm	5189	4631
2313-2A*	2mm	6µm	2.5µm	9916	8429

*Supplied with manufacturer inspection certificate

DIAL INDICATOR (BASIC TYPE)

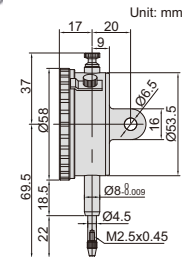
INSPECTION
CERTIFICATE

POPULAR
MODEL



2301-10

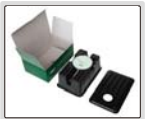
- Graduation: 0.01mm
- Range/rev: 1mm
- Accuracy: 17µm
- Dial reading: 0-100
- Meet DIN878
- Jeweled bearing
- Lug back with spare flat back
- Supplied with limit hands and bezel clamp
- Packed in carton box
- Optional accessory: backs, contact points



Code	Range	Hysteresis	List Price (₹)	Promotion Price (₹)
2301-10*	10mm	3µm	1590	1425

*Supplied with manufacturer inspection certificate

carton box



COMPACT DIAL INDICATORS

INSPECTION
CERTIFICATE

JEWELLED
BEARING

- Range/rev: 0.5mm
- Dial reading: 0-50
- Meet DIN878
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

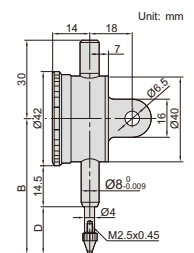


2311-5

(mm)

Code	Range	Graduation	Accuracy	Hysteresis	Remark	B	D	List Price (₹)	Promotion Price (₹)
2311-3*	3mm	0.01mm	12µm	3µm	lug back	46	10.5	2450	2083
2311-5*	5mm	0.01mm	14µm	3µm	lug back	48	12.5	2461	2022

*Supplied with manufacturer inspection certificate



REVERSE READING DIAL INDICATOR

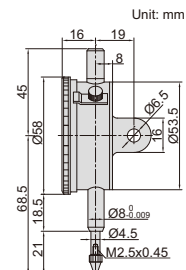
- Meet DIN878
- Suitable for depth and step measurements
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points



2801-10

INSPECTION CERTIFICATE

JEWELLED BEARING



Code	Range	Graduation	Accuracy	Hysteresis	Range/rev	Dial reading	Remark	List Price (₹)	Promotion Price (₹)
2801-10*	10mm	0.01mm	17µm	3µm	1mm	100-0	lug back	2575	2189

*Supplied with manufacturer inspection certificate

SHOCKPROOF DIAL INDICATOR

- Meet DIN878
- Shockproof
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

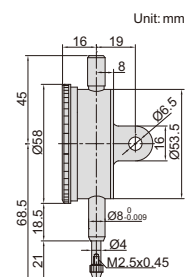


2314-10A

INSPECTION CERTIFICATE

SHOCK PROOF

JEWELLED BEARING



Code	Range	Graduation	Accuracy	Hysteresis	Range/rev	Dial reading	Remark	List Price (₹)	Promotion Price (₹)
2314-10A*	10mm	0.01mm	17µm	3µm	1mm	100-0	lug back	2672	2412

*Supplied with manufacturer inspection certificate

WATERPROOF DIAL INDICATOR

IP54 WATERPROOF

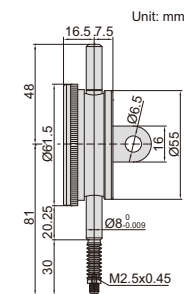
INSPECTION CERTIFICATE

- Meet DIN878
- IP54 dust/waterproof
- With limit pointers
- Optional accessory: backs, contact points



2324-10A

INSPECTION CERTIFICATE



Code	Range	Graduation	Accuracy	Hysteresis	Range/rev	Dial reading	Remark	List Price (₹)	Promotion Price (₹)
2324-10A*	10mm	0.01mm	17µm	3µm	1mm	0-100	lug back	3506	3155

*Supplied with manufacturer inspection certificate

DIAL INDICATOR (LONG STROKE)

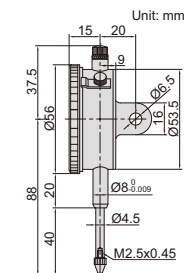
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points



2310-30A

INSPECTION CERTIFICATE

(mm)



Code	Range	Graduation	Accuracy	Hysteresis	Range/rev	Dial reading	Remark	List Price (₹)	Promotion Price (₹)
2310-30A*	30mm	0.01mm	35µm	7µm	1mm	0-100	lug back	4134	3514

*Supplied with manufacturer inspection certificate

DIAL INDICATOR (LONG STROKE, BASIC TYPE)

- Lug back with spare flat back
- Supplied with limit pointers and bezel clamp
- Packed in carton box
- Optional accessory: backs, contact points

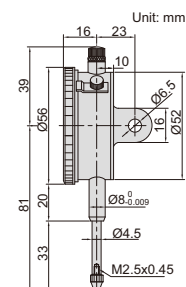


2302-25

INSPECTION CERTIFICATE

POPULAR MODEL

(mm)



Code	Range	Graduation	Accuracy	Hysteresis	Range/rev	Dial reading	List Price (₹)	Promotion Price (₹)
2302-25*	25mm	0.01mm	35µm	7µm	1mm	0-100	3028	2415

*Supplied with manufacturer inspection certificate

DIAL INDICATORS (LONG STROKE)



JEWELLED BEARING

SHOCK PROOF

- Shockproof
- Jeweled bearing
- Supplied with limit pointers
- Optional accessory: backs, contact points



2309-50

stem clamp Ø10mm for 2309-100D

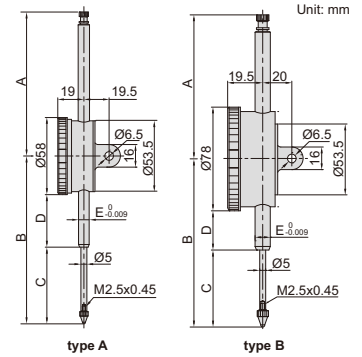


back of type B



Code	Type	A	B	C	D	E
2309-50	A	108.3	126.2	57.7	39.5	Ø8
2309-100D	B	167.6	207.8	108	60.8	Ø10

(mm)



Code	Range	Graduation	Type	Accuracy	Hysteresis	Range/rev	Dial reading	Remark	List Price (₹)	Promotion Price (₹)
2309-50*	50mm	0.01mm	A	40µm	8µm	1mm	0-100	flat back with spare lug back	7717	6945
2309-100D	100mm	0.01mm	B	50µm	9µm	1mm	0-100	flat back with spare lug back	19856	17870

Note: 1) 2309-100D can only be used vertically
 2) 2309-100D is supplied with stem clamp Ø10mm for magnetic stands (code 6200-60, 6201-60, 6202-80, 6202-100)

*Supplied with manufacturer inspection certificate

ONE REVOLUTION DIAL INDICATORS

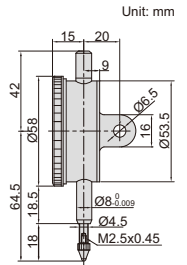
SHOCK PROOF



- Meet DIN878
- Eliminate the possibility of reading errors due to miscounting
- Shockproof
- Supplied with limit pointers
- Optional accessory: backs, contact points



2316-05



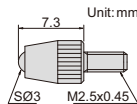
Code	Range	Dial indicator stroke	Graduation	Accuracy	Hysteresis	Dial reading	Remark	List Price (₹)	Promotion Price (₹)
2316-05F*	0.5mm	5mm	0.01mm	9µm	3µm	25-0-25	flat back	3562	2672
2316-1F*	1mm	5mm	0.01mm	9µm	3µm	50-0-50	flat back	3640	2730
2316-05*	0.5mm	5mm	0.01mm	9µm	3µm	25-0-25	lug back	3566	2675
2316-1*	1mm	5mm	0.01mm	9µm	3µm	50-0-50	lug back	3643	2732

*Supplied with manufacturer inspection certificate

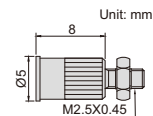
CONTACT POINTS



6282-0101



6282-1101



BALL POINT

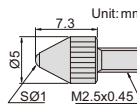
Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-0101	carbide	249	224

FLAT POINT

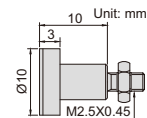
Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-1101	steel	964	868



6282-0301



6282-1201



BALL POINT

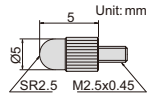
Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-0301	steel	223	201

FLAT POINT

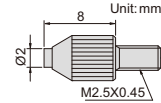
Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-1201	steel	1071	964

To be continued

Continued from previous page



6282-0202



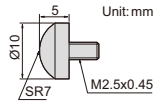
6282-1301

SHELL TYPE POINT

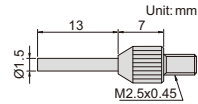
Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-0202	steel	245	221

FLAT POINT

Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-1301	carbide	1190	1071



6282-0401



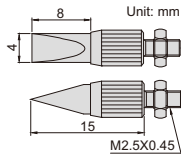
6282-1711

SPHERICAL POINT

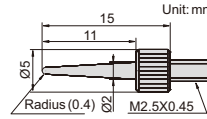
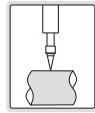
Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-0401	steel	369	332

NEEDLE POINT

Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-1711	carbide	1399	1357



6282-1001



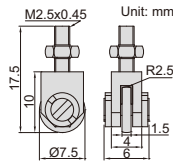
6282-1601

KNIFE EDGE POINT

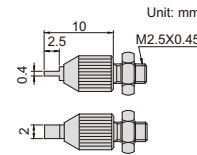
Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-1001	steel	481	433

NEEDLE POINT

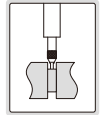
Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-1601	steel	378	367



6282-1901



6282-1801



ROLLER POINT

Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-1901	steel	4951	4703

BLADE POINT

Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-1801	steel	716	644



6282-0601



6282-0701



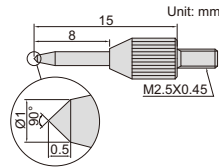
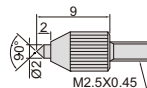
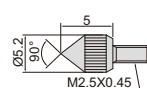
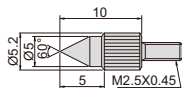
6282-0801



6282-0901

CONICAL POINTS

Code	Material of measuring face	List Price (₹)	Promotion Price (₹)
6282-0601	steel	547	492
6282-0701	steel	507	456
6282-0801	steel	721	649
6282-0901	steel	878	790



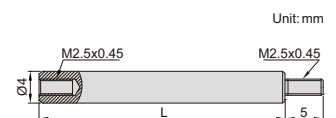
EXTENSION RODS

Code	Material	L	List Price (₹)	Promotion Price (₹)
6282-2001	steel	10mm	147	140
6282-2002	steel	15mm	165	157
6282-2003	steel	20mm	172	163
6282-2004	steel	25mm	175	166
6282-2005	steel	30mm	186	177
6282-2006	steel	35mm	186	177
6282-2007	steel	40mm	188	179
6282-2008	steel	45mm	205	195
6282-2009	steel	50mm	205	195

Code	Material	L	List Price (₹)	Promotion Price (₹)
6282-2010	steel	55mm	207	197
6282-2011	steel	60mm	222	211
6282-2012	steel	65mm	225	214
6282-2013	steel	70mm	244	232
6282-2014	steel	75mm	241	229
6282-2015	steel	80mm	262	249
6282-2016	steel	90mm	283	269
6282-2017	steel	100mm	316	300



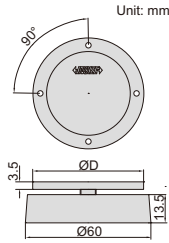
6282-2011



MAGNETIC BACK



7331-M1



Code	ØD	For digital/dial indicators	List Price (₹)	Promotion Price (₹)
7331-M1	51.5	2103	908	817
		2104		
		2108		
		2109		
		2112		
		2115		
		2116		
		2117		
		2118		
		2138		
		2301		
		2302		
		2308		
		2309 (except 2309-30, 2309-30F)		
		2313		
2314				
2316				
2801				

DIGITAL LINEAR GAGES



ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

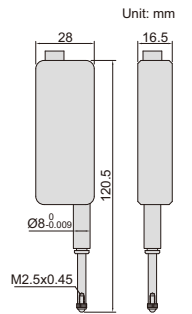
- Scale type: optical grating
- Absolute encoder, the original data remains after power off
- Digital signal output, amplifier is not required
- Repeatability: 0.5µm
- Measuring force: 1.5N
- Dust/waterproof: IP43
- Baud rate: 9600 (can be customized)
- Cable length: 3m (can be customized)



7130-10



7130-10L



Code	Range	Resolution	Accuracy	Outgoing cable direction	Output signal	Output interface	List Price (₹)	Promotion Price (₹)
7130-10	0-12.7mm	0.1µm	1.6µm	horizontal	RS232, TTL level		24666	23433
7130-10L	0-12.7mm	0.1µm	1.6µm	vertical	RS232, TTL level		24455	23232

LINEAR GAGES

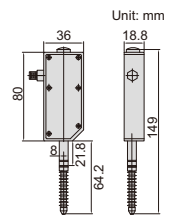


SPECIFICATION

Code	7107-11	7107-12
List Price (₹)	12759	19843
Promotion Price (₹)	11483	17859
Measuring range	12mm/0.47"	12mm/0.47"
Resolution	0.01mm/0.0004"	0.001mm/0.00004"
Accuracy	20µm	5µm
Hysteresis	10µm	2µm
Measuring principle	capacitance type linear encoder	
Voltage	5V	
Sampling frequency	100 times/sec.	
Working life	ten million times	
Dust/waterproof	IP65	
Measuring force	1.5N	
Cable length	2m	
Data output	RS232	

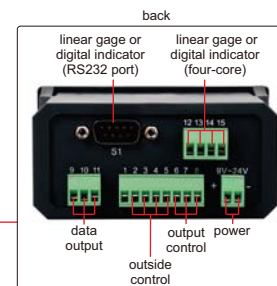
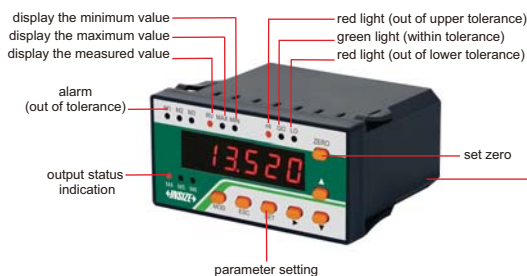
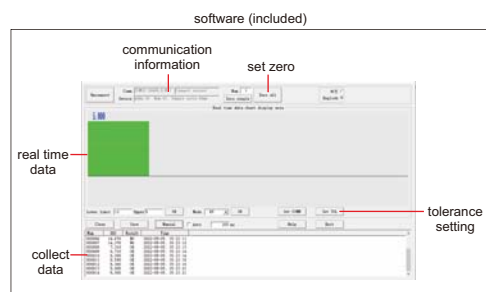


7107-11



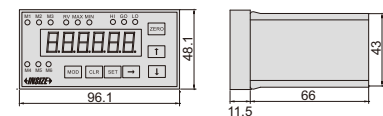
- Capacitance type linear encoder
- Shock-proof, water proof, dust proof, suitable for high speed movement, long working life
- Optional: display unit 7106-1A, multichannel interface box 7107-1 or 7107-2

DISPLAY UNIT FOR CAPACITANCE LINEAR GAGES CODE 7106-1A



7106-1A

- Can be connected with 7107-11 or 7107-12 linear gage, can also be connected with digital indicator (data cable 7309-C01M is needed)
- Set tolerance and make judgment (out of upper tolerance, within tolerance, out of lower tolerance), output the judgment to control outside devices, control from outside (set zero, hold reading and collect data)
- Software of display unit (included): in the software, it is possible to set tolerance and show judgment (red when out of tolerance, green when within tolerance), set zero, collect data manually or automatically (time is adjustable), output data to Excel, print report



SPECIFICATION

Code	7106-1A
List Price (₹)	14276
Promotion Price (₹)	12848
Display	6 digits
Quantity of linear gage or digital indicator to be connected	1 pc
Tolerance	set tolerance and make judgment with alarm and lights (out of upper tolerance, within tolerance, out of lower tolerance)
Output control	output the tolerance judgment (out of upper tolerance, within tolerance, out of lower tolerance) to control outside devices
Outside control	control the display units from outside (set zero, hold reading and collect data)
Data output	connect to computer software and serial communication
Power supply	DC 9~24V

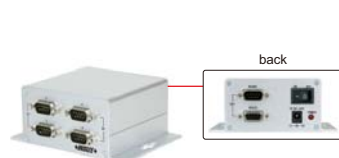
connected with 7107-11 or 7107-12 linear gage



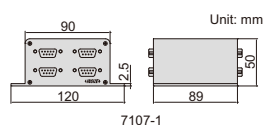
connected with digital indicator (data cable 7309-C01M is needed)



MULTICHANNEL INTERFACE BOXES FOR CAPACITANCE LINEAR GAGES



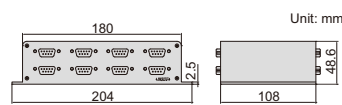
7107-1



7107-1

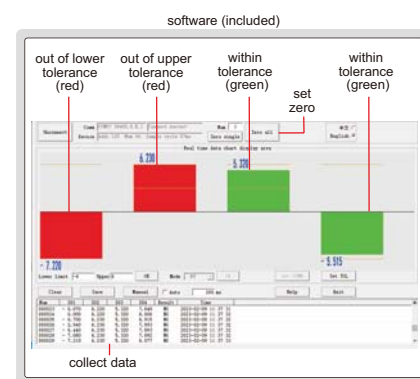


7107-2



7107-2

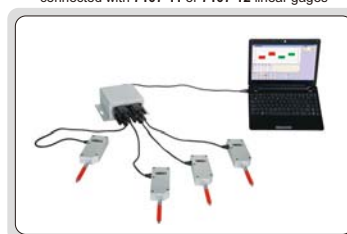
- Can be connected with 7107-11 or 7107-12 linear gages, can also be connected with digital indicators (data cable 7309-C01M is needed)
- Software of interface boxes (included): in the software, it is possible to set tolerance of each channel and show judgment (red when out of tolerance, green when within tolerance), set zero, collect data manually or automatically (time is adjustable), output data to Excel, print report



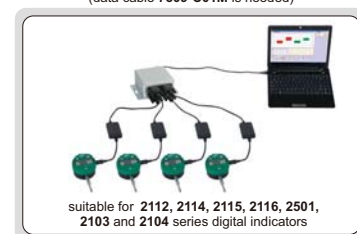
SPECIFICATION

Code	7107-1	7107-2
List Price (₹)	11295	18578
Promotion Price (₹)	10166	16720
Quantity of linear gages or digital indicators to be connected	4 pcs	8 pcs
Data output	RS232 and RS485	
Power supply	DC 9~24V	

connected with 7107-11 or 7107-12 linear gages



connected with digital indicators (data cable 7309-C01M is needed)

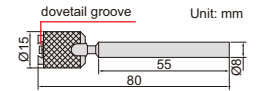


DIAL TEST INDICATOR UNIVERSAL HOLDER

- Set the indicators at the desired attitude to the workpiece



6297-1



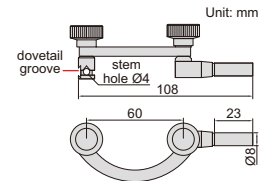
Code	List Price (₹)	Promotion Price (₹)
6297-1	898	774

DIAL TEST INDICATOR HOLDER

- Can be used with dial test indicators



6291-1



Code	List Price (₹)	Promotion Price (₹)
6291-1	855	713

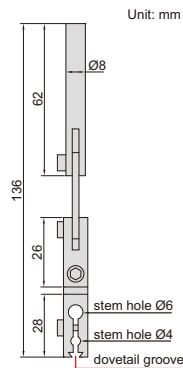
DIAL TEST INDICATOR HOLDER



6296-1



- Supplied with hex key

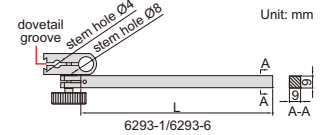


Code	List Price (₹)	Promotion Price (₹)
6296-1	1032	929

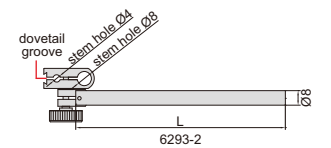
DIAL TEST INDICATOR HOLDERS



6293-1



6293-2

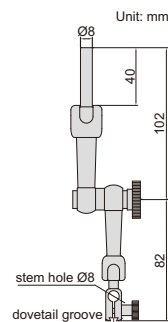


Code	Stem section	Stem length (L)	List Price (₹)	Promotion Price (₹)
6293-1	9x9mm	100mm	783	718
6293-6	9x9mm	50mm	931	838
6293-2	Ø8mm	115mm	898	808



DIAL TEST INDICATOR HOLDER

- Can be used with dial test indicators

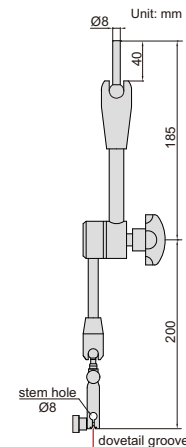


6295-1A

Code	List Price (₹)	Promotion Price (₹)
6295-1A	1966	1796

DIAL INDICATOR HOLDER

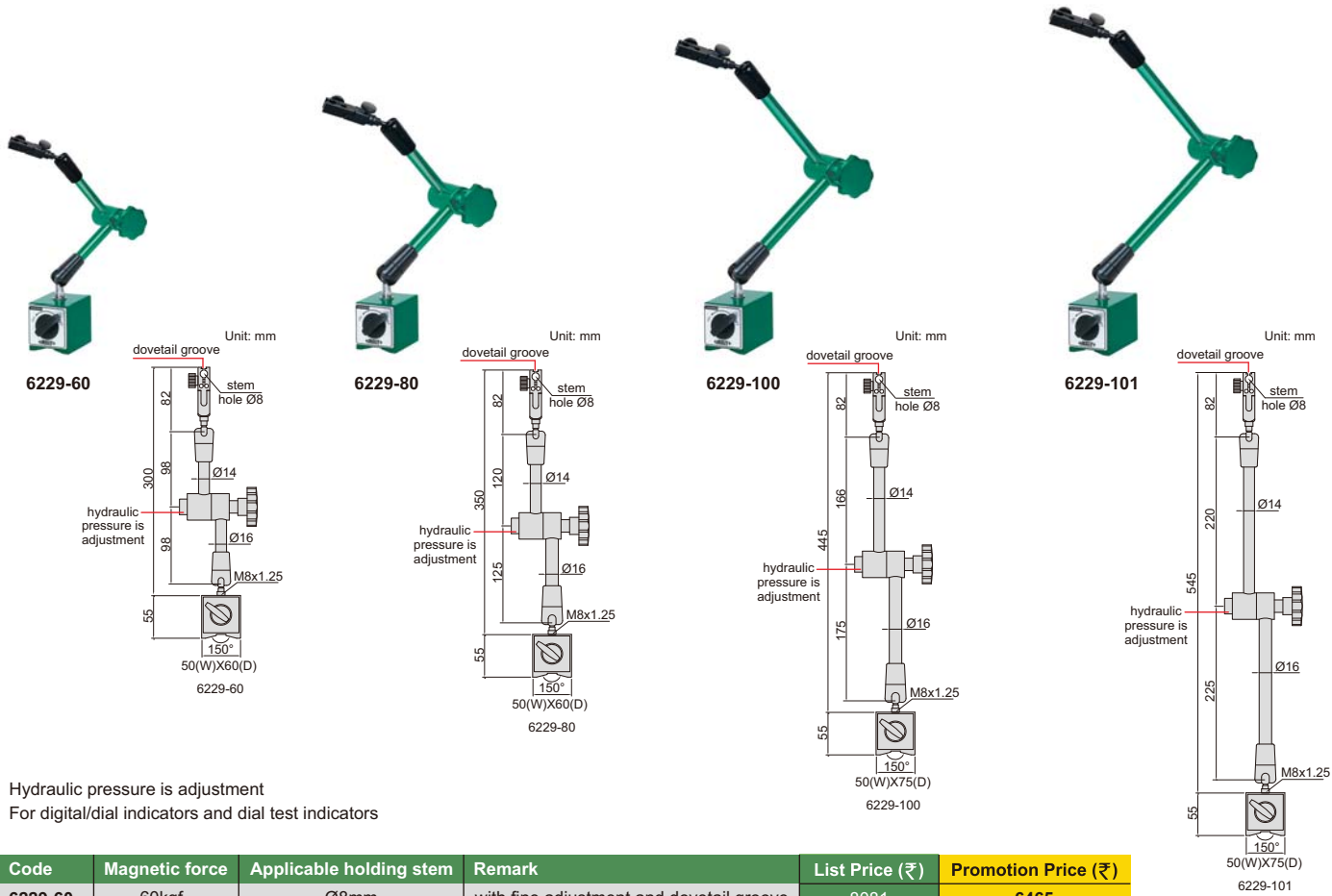
- Can be used with dial test indicators or dial indicators



6294-1A

Code	List Price (₹)	Promotion Price (₹)
6294-1A	2753	2174

HYDRAULIC UNIVERSAL MAGNETIC STANDS

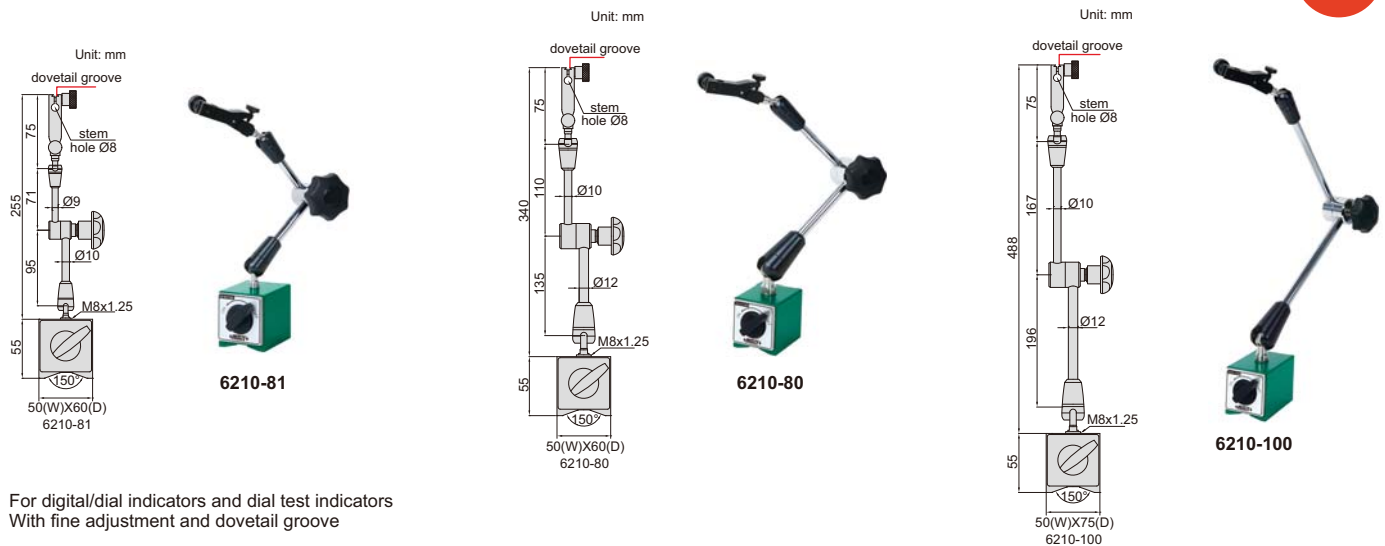


- Hydraulic pressure is adjustment
- For digital/dial indicators and dial test indicators

Code	Magnetic force	Applicable holding stem	Remark	List Price (₹)	Promotion Price (₹)
6229-60	60kgf	Ø8mm	with fine adjustment and dovetail groove	8081	6465
6229-80	80kgf	Ø8mm	with fine adjustment and dovetail groove	9051	7241
6229-100	100kgf	Ø8mm	with fine adjustment and dovetail groove	13752	11002
6229-101	100kgf	Ø8mm	with fine adjustment and dovetail groove	17561	14049

UNIVERSAL MAGNETIC STANDS

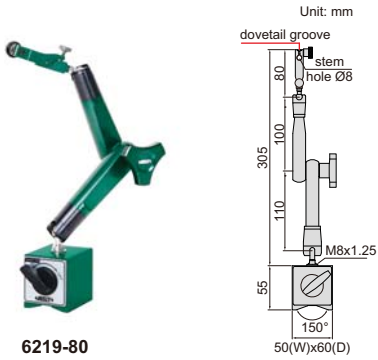
POPULAR MODEL



- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove

Code	Magnetic force	Applicable holding stem	List Price (₹)	Promotion Price (₹)
6210-81	80kgf	Ø8mm	5051	4546
6210-80	80kgf	Ø8mm	6332	5425
6210-100	100kgf	Ø8mm	7443	6699

LARGE LOCKING FORCE MAGNETIC STAND



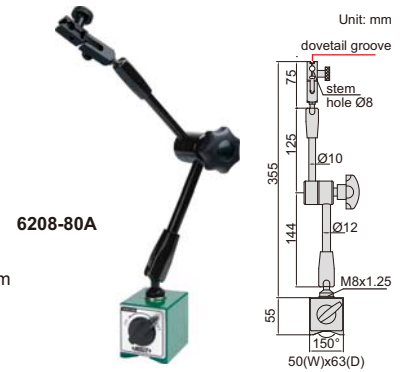
6219-80

- Applicable holding stem: Ø8mm
- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove

Code	Magnetic force	List Price (₹)	Promotion Price (₹)
6219-80	80kgf	6340	5706

UNIVERSAL MAGNETIC STAND (ECONOMIC TYPE)

ATTENTION: LOW LOCKING FORCE

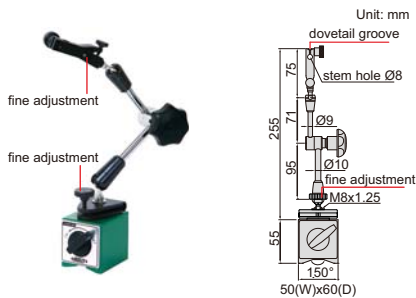


6208-80A

- Applicable holding stem: Ø8mm
- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove

Code	Magnetic force	List Price (₹)	Promotion Price (₹)
6208-80A	80kgf	2950	2547

MAGNETIC STAND WITH TWO FINE ADJUSTMENTS



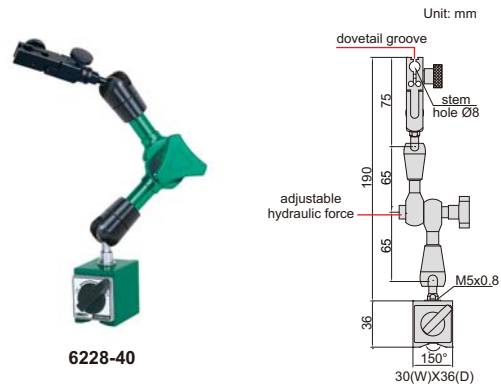
6272-80

- Magnetic force: 80kgf
- With two fine adjustments on the head and on the base
- For digital/dial indicators and dial test indicators
- With two fine adjustments and dovetail groove

Code	Applicable holding stem	List Price (₹)	Promotion Price (₹)
6272-80	Ø8mm	5951	5356

HYDRAULIC MINI MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY



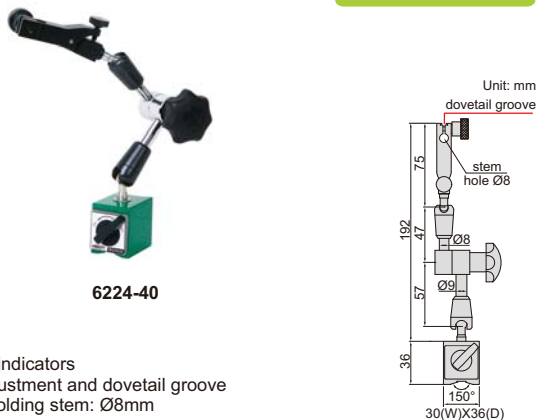
6228-40

- For dial test indicators
- With fine adjustment and dovetail groove
- Adjustable hydraulic force
- Applicable holding stem: Ø8mm

Code	Magnetic force	List Price (₹)	Promotion Price (₹)
6228-40	40kgf	7069	5655

MINI MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY

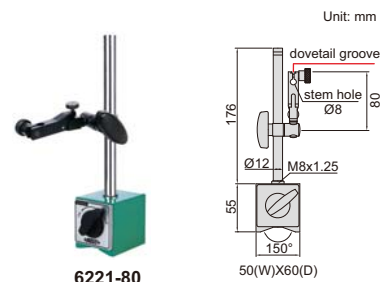


6224-40

- For dial test indicators
- With fine adjustment and dovetail groove
- Applicable holding stem: Ø8mm

Code	Magnetic force	List Price (₹)	Promotion Price (₹)
6224-40	40kgf	5343	4809

MAGNETIC STAND (FOR 0.001MM DIAL AND DIAL TEST INDICATORS)



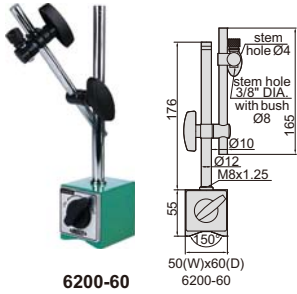
6221-80

- Applicable holding stem: Ø8mm
- For 0.001mm and 0.01mm dial and dial test indicators
- With fine adjustment and dovetail groove

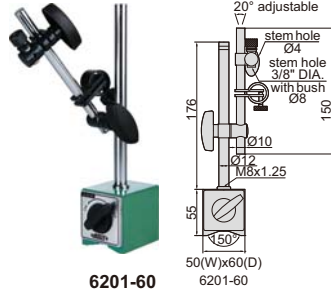
Code	Magnetic force	List Price (₹)	Promotion Price (₹)
6221-80	80kgf	4665	4199

MAGNETIC STANDS

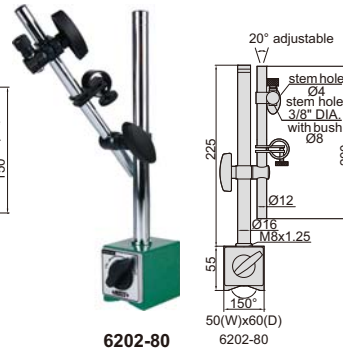
POPULAR MODEL



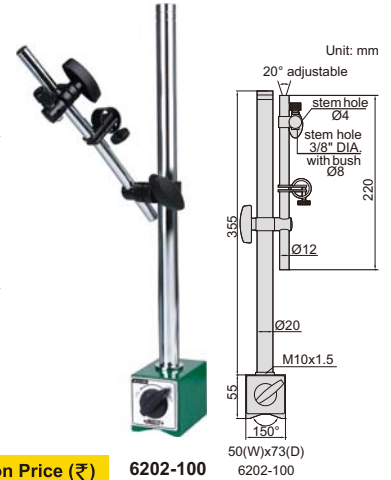
6200-60



6201-60



6202-80

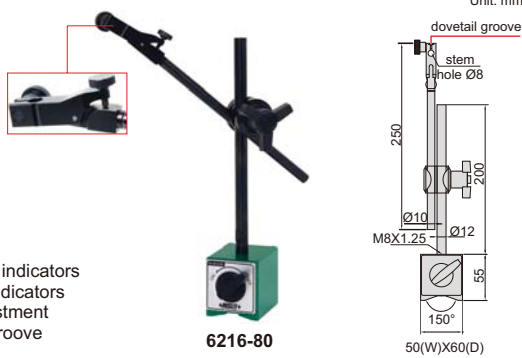


6202-100

Code	Magnetic force	Applicable holding stem	Remark	List Price (₹)	Promotion Price (₹)
6200-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA.	without fine adjustment	1363	1136
6201-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	1373	1115
6202-80	80kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	2444	1676
6202-100	100kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	3073	2766

■ For digital/dial indicators and dial test indicators

MAGNETIC STAND



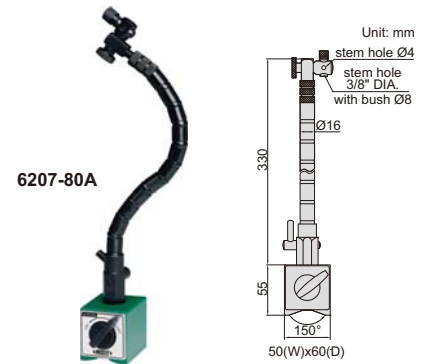
6216-80

- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove

Code	Magnetic force	Applicable holding stem	List Price (₹)	Promotion Price (₹)
6216-80	80kgf	Ø8mm	3263	2972

FLEX ARM MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY



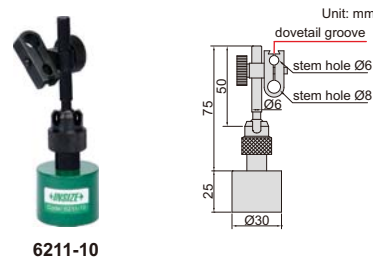
6207-80A

- For dial test indicators
- Applicable holding stem: Ø8mm, Ø4mm, 3/8" DIA.

Code	Magnetic force	List Price (₹)	Promotion Price (₹)
6207-80A	80kgf	2272	2045

MINI MAGNETIC STAND

- For dial test indicators
- With dovetail groove
- Applicable holding stem: Ø6mm, Ø8mm



6211-10

ATTENTION: FOR DIAL TEST INDICATORS ONLY

Code	Magnetic force	List Price (₹)	Promotion Price (₹)
6211-10	10kgf	2336	1796

DIAL INDICATOR STAND (FOR 0.001MM DIAL AND DIAL TEST INDICATORS)

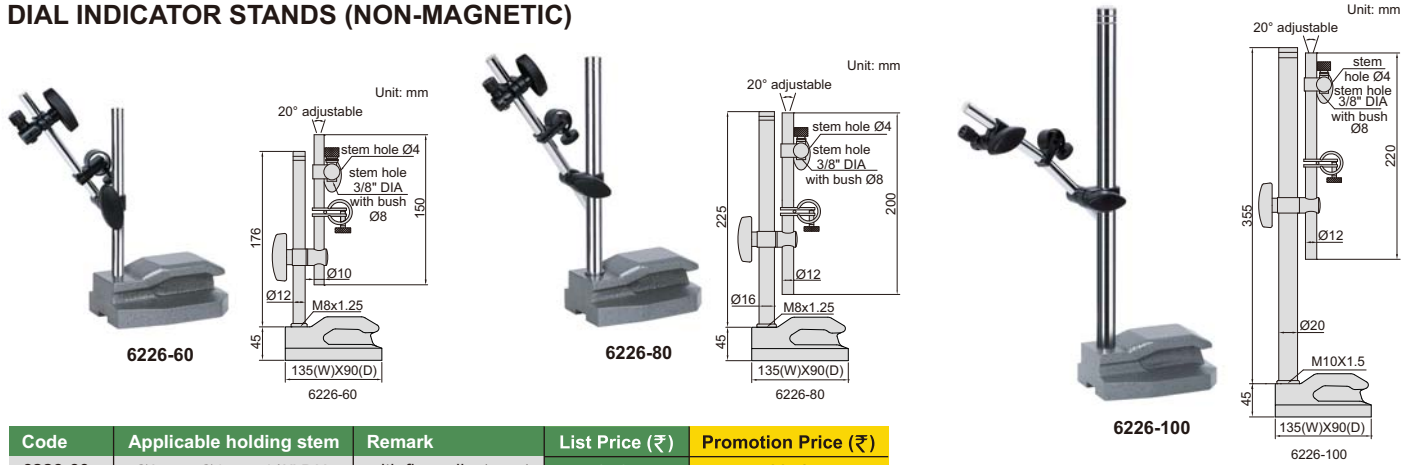
- Non-magnetic and hardened base
- Suitable for granite surface plates or cast iron surface plates
- For 0.001mm and 0.01mm dial and dial test indicators
- With fine adjustment and dovetail groove



6230-60

Code	Applicable holding stem	List Price (₹)	Promotion Price (₹)
6230-60	Ø8mm	5922	4915

DIAL INDICATOR STANDS (NON-MAGNETIC)



Code	Applicable holding stem	Remark	List Price (₹)	Promotion Price (₹)
6226-60	Ø8mm, Ø4mm, 3/8" DIA	with fine adjustment	3745	3051
6226-80	Ø8mm, Ø4mm, 3/8" DIA	with fine adjustment	3579	3221
6226-100	Ø8mm, Ø4mm, 3/8" DIA	with fine adjustment	5263	4736

- Hardened base
- Suitable for granite surface plates and cast iron surface plates
- For digital/dial indicators and dial test indicators

DIAL INDICATOR STAND (NON-MAGNETIC)

- Hardened base
- Suitable for granite surface plates and cast iron surface plates
- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove

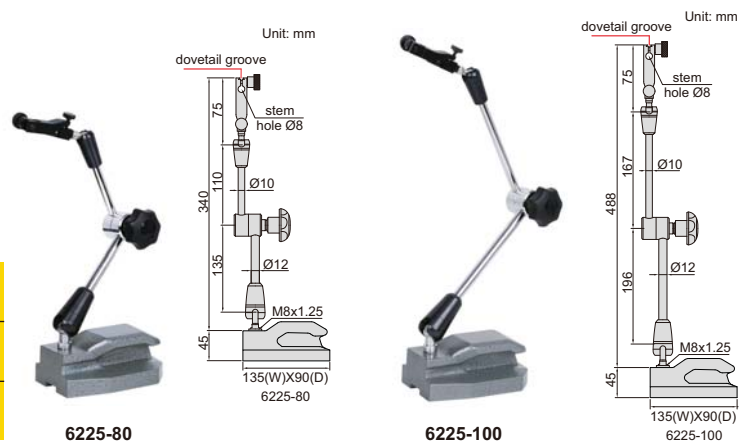


Code	Applicable holding stem	List Price (₹)	Promotion Price (₹)
6227-80	Ø8mm	5324	4337

6227-80

UNIVERSAL DIAL INDICATOR STANDS (NON-MAGNETIC)

- Hardened base
- Suitable for granite surface plates and cast iron surface plates
- For digital/dial indicators and dial test indicators



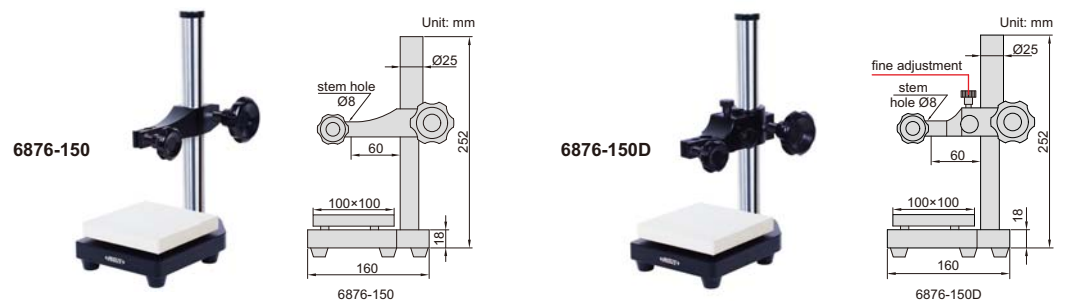
Code	Applicable holding stem	Remark	List Price (₹)	Promotion Price (₹)
6225-80	Ø8mm	with fine adjustment and dovetail groove	6992	6293
6225-100	Ø8mm	with fine adjustment and dovetail groove	8135	7322

6225-80

6225-100

DIAL INDICATOR STANDS

- Vertical travel of holder: 150mm
- Applicable holding stem: Ø8mm
- Ceramic anvil
- Supplied with dust cover

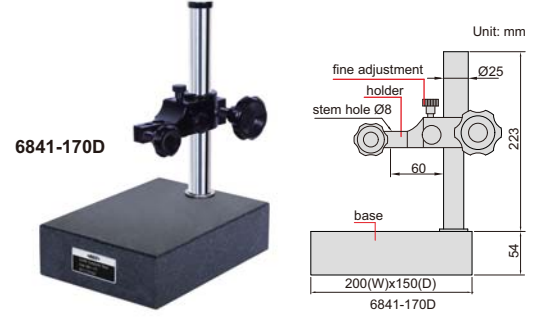
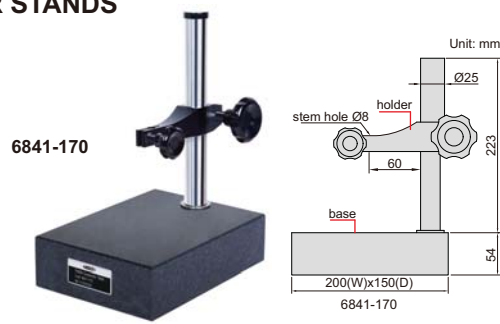


Code	Anvil	Remark	List Price (₹)	Promotion Price (₹)
6876-150	ceramic, plain, flatness 1.5µm	without fine adjustment	16648	14151
6876-150D	ceramic, plain, flatness 1.5µm	with fine adjustment, fine adjustment range 3mm	23814	22624

GRANITE DIAL INDICATOR STANDS (BASIC TYPE)

POPULAR MODEL

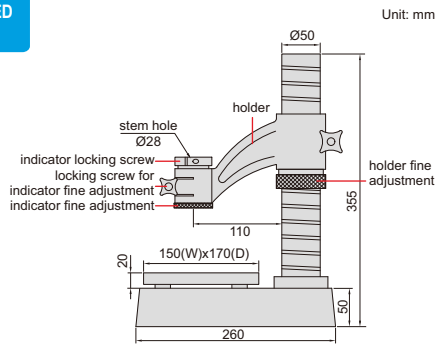
- Vertical travel of holder: 170mm
- Applicable holding stem: Ø8mm
- Supplied with dust cover



Code	Base	Remark	List Price (₹)	Promotion Price (₹)
6841-170	flatness 2.5µm	without fine adjustment	13446	11429
6841-170D	flatness 2.5µm	with fine adjustment, fine adjustment range 3mm	19286	18321

DIAL INDICATOR STAND

GAGE BLOCKS ARE NEEDED FOR ZERO SETTING



digital/dial indicator is optional



6846-140

locating fork for workpieces (included)



- Vertical travel of holder: 140mm
- Holder fine adjustment range: entire stroke
- Indicator fine adjustment range: 3mm
- Optional accessory: Ø28mm/Ø8mm bush (code 6843-B8), 0.001mm digital/dial indicators, high precision digital indicators (code 2140-6, 2140-6WL), gage blocks (4101 series, for zero setting)

Code	Applicable holding stem	Anvil	List Price (₹)	Promotion Price (₹)
6846-140	Ø28mm	grid, flatness 1µm	34995	31496

Ø28mm/Ø8mm bush (optional)
Code: 6843-B8

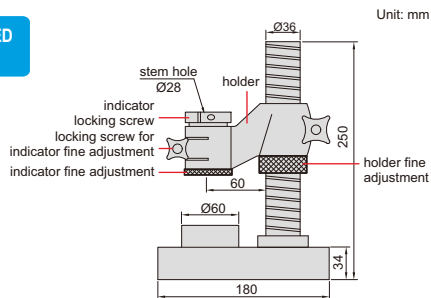


application



DIAL INDICATOR STAND

GAGE BLOCKS ARE NEEDED FOR ZERO SETTING



digital/dial indicator is optional



6845-100

locating fork for workpieces (included)



- Vertical travel of holder: 100mm
- Holder fine adjustment range: entire stroke
- Indicator fine adjustment range: 3mm
- Optional accessory: Ø28mm/Ø8mm bush (code 6843-B8), 0.001mm digital/dial indicators, high precision digital indicators (code 2140-6, 2140-6WL), gage blocks (4101 series, for zero setting)

Code	Applicable holding stem	Anvil	List Price (₹)	Promotion Price (₹)
6845-100	Ø28mm	serrated, flatness 1µm	21915	19724

Ø28mm/Ø8mm bush (optional)
Code: 6843-B8



application



11

INDICATING MEASURING INSTRUMENTS



Internal Caliper Gages
Page 88



External Caliper Gages
Page 89



Thickness Gages
Page 89-91



Tube Thickness Gages
Page 91



Rubber Thickness Gages
Page 92



Snap Gages
Page 92-93



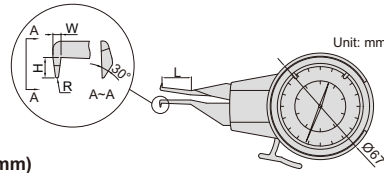
Step And Gap Gages
Page 93



Keyway Gages
Page 93

INTERNAL DIAL CALIPER GAGES

- Graduation: 0.01mm
- Accuracy: ± 0.03 mm



2222-15

Code	Range	L	H	W	R	List Price (₹)	Promotion Price (₹)
2222-15	5-15mm	20	2	1.5	R0.3	11490	9857
2222-25	5-25mm	35	1.5	1.0	R0.3	12461	10691
2222-301	10-30mm	55	5.5	2.5	R0.5	13756	11803

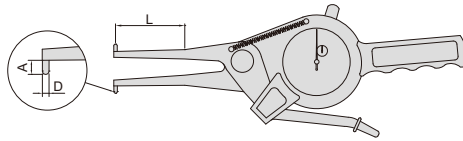
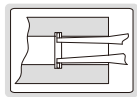
INTERNAL DIAL CALIPER GAGES

- Graduation: 0.01mm
- Accuracy: ± 0.04 mm
- Carbide measuring tips

(mm)

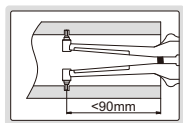


2321-35



Code	Range	L	A	D	List Price (₹)	Promotion Price (₹)
2321-35	15-35mm	50	3	$\varnothing 3$	9622	8790
2321-AL35	15-35mm	200	3	$\varnothing 3$	25286	23099
2321-55	35-55mm	80	6	$\varnothing 3$	9622	8790
2321-AL55	35-55mm	250	8	$\varnothing 3$	25286	23099
2321-75	55-75mm	90	8	$\varnothing 3$	9833	8982
2321-AL75	55-75mm	250	8	$\varnothing 3$	25286	23099
2321-95	75-95mm	100	8	$\varnothing 3.2$	10043	9175
2321-115	95-115mm	120	10	$\varnothing 3.2$	12638	11546
2321-135	115-135mm	120	10	$\varnothing 3.2$	13080	11949

INTERNAL DIAL CALIPER GAGE WITH INTERCHANGEABLE POINTS



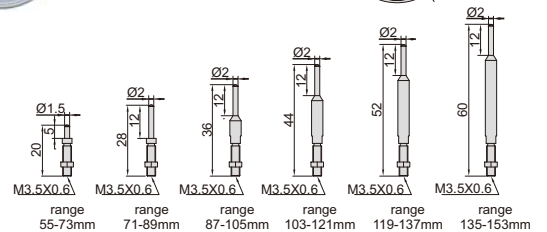
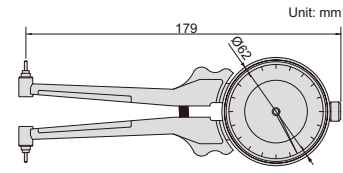
6 pair of points (included)



- Graduation: 0.01mm
- Accuracy: ± 0.02 mm
- Dial indicator range: 2mm
- Supplied with 6 pairs of points

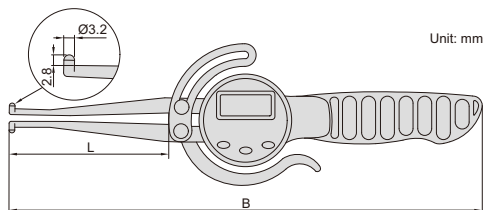


2223-153



Code	Range	List Price (₹)	Promotion Price (₹)
2223-153	55-153mm	13717	11716

DIGITAL INTERNAL CALIPER GAGES (ECONOMIC TYPE)

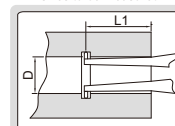


- Resolution: 0.1mm/0.01"
- Accuracy: ± 0.3 mm
- Repeatability: 0.2mm
- Button function: on/off, zero, mm/inch, data hold
- Battery CR2032, automatic power off



2711-165

sizes to be measured



Code	Range	L	B	List Price (₹)	Promotion Price (₹)
2711-165	12.7-165mm/0.5-6.5"	85	252	4702	4232
2711-216	12.7-216mm/0.5-8.5"	160	327	5166	4649

Code 2711-165		Code 2711-216	
D	L1	D	L1
$\varnothing 13$	<42	$\varnothing 13$	<50
$\varnothing 15$	<45	$\varnothing 15$	<55
$\varnothing 17$	<50	$\varnothing 17$	<60
$\varnothing 20$	<60	$\varnothing 20$	<65
$\varnothing 25$	<75	$\varnothing 25$	<75
$\varnothing 27$	<80	$\varnothing 30$	<95
$\varnothing 29-165$	<85	$\varnothing 35-216$	<160

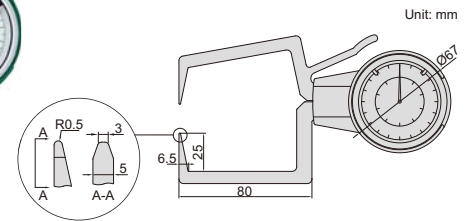
EXTERNAL DIAL CALIPER GAGES

- Graduation: 0.01mm
- Accuracy: $\pm 0.3\text{mm}$

Code	Range	List Price (₹)	Promotion Price (₹)
2333-201	0-20mm	12461	11215
2333-301	10-30mm	13882	12494
2333-401	20-40mm	13882	12494



2333-201



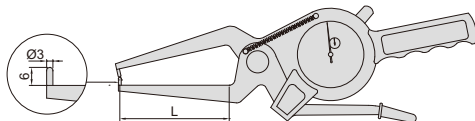
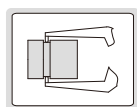
Unit: mm

EXTERNAL DIAL CALIPER GAGES



2332-20

- Accuracy: $\pm 0.04\text{mm}$
- Carbide measuring tips



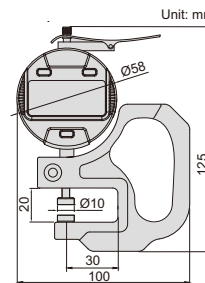
Unit: mm

(mm)

Code	Range	Graduation	L	List Price (₹)	Promotion Price (₹)
2332-20	0-20mm	0.01mm	60	9554	8728
2332-40	20-40mm	0.01mm	60	9554	8728
2332-60	40-60mm	0.01mm	55	9556	8729
2332-80	60-80mm	0.01mm	55	9964	9103
2332-100	80-100mm	0.01mm	55	10782	9850

DIGITAL THICKNESS GAGES

DATA OUTPUT



Unit: mm

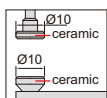


2871-101

- Ceramic spindle tip and anvil
- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Keep preset data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-50M)

Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2871-10	0-10mm/0-0.4"	0.01mm/0.0005"	$\pm 0.02\text{mm}$	7259	5781
2871-101	0-10mm/0-0.4"	0.001mm/0.00005"	$\pm 0.005\text{mm}$	15089	11055

THICKNESS GAGES



POPULAR MODEL

(mm)

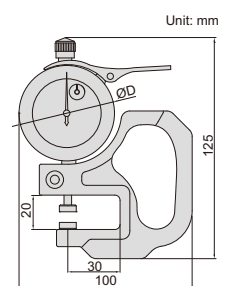
Code	Range	Graduation	Accuracy	ØD	List Price (₹)	Promotion Price (₹)
2364-10	0-10mm	0.01mm	$\pm 0.02\text{mm}$	58	4075	3255
2364-1	0-1mm	0.001mm	$\pm 0.005\text{mm}$	56	7492	6752



2364-10



2364-1

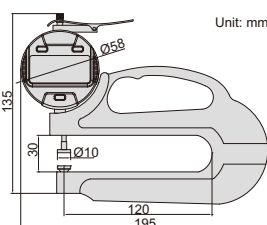


Unit: mm

DIGITAL THICKNESS GAGES

- Ceramic spindle tip and anvil
- Buttons: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Keep preset data in memory after restart
- Battery CR2032, data output
- Automatic power off (time is adjustable)
- Optional accessory: data output cable (code 7315-50M, 7302-50M)

measuring tips and anvils can be custom-made



Unit: mm

DATA OUTPUT

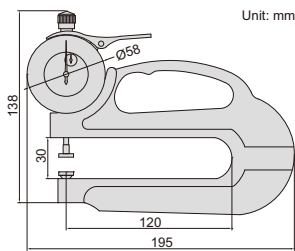
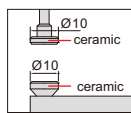


2872-10

Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2872-10	0-10mm/0-0.4"	0.01mm/0.0005"	$\pm 0.02\text{mm}$	8736	7862
2872-101	0-10mm/0-0.4"	0.001mm/0.00005"	$\pm 0.01\text{mm}$	17208	16348

THICKNESS GAGES

measuring tips and anvils can be custom-made

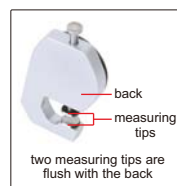
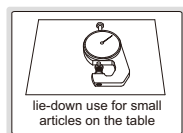


2365-10

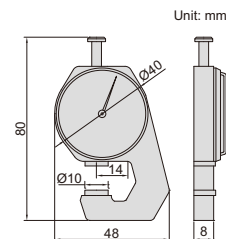
Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
2365-10	0-10mm	0.01mm	±0.02mm	6796	6007
2365-20	0-20mm	0.01mm	±0.03mm	10014	9013

THICKNESS GAGE

SUITABLE FOR JEWELLERY



2361-10



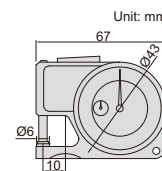
Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
2361-10	0-10mm	0.1mm	±0.05mm	2339	2136

THICKNESS GAGE

- Graduation: 0.01mm
- Stainless steel spindle tip and anvil



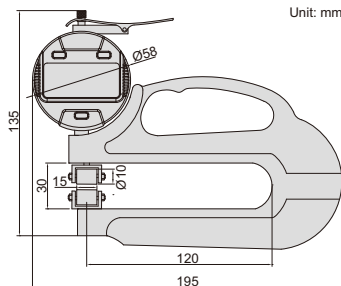
2363-10



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2363-10	0-10mm	±0.03mm	4445	4061

DIGITAL ROLLER THICKNESS GAGE

- Buttons: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Keep preset data in memory after restart
- Battery CR2032, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-50M)



DATA OUTPUT

2877-4

Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2877-4	0-4.5mm/0-0.18"	0.01mm/0.0005"	±0.02mm	45656	44286

HIGH PRECISION DIGITAL THICKNESS GAGE

MEASURING TIPS AND ANVILS CAN BE CUSTOM-MADE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

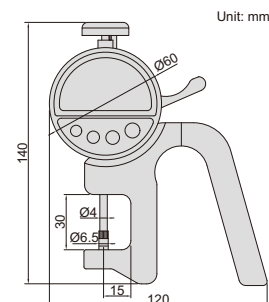
DATA OUTPUT

- Resolution: 0.001mm/0.00005"
- Absolute encoder, the original data remains after power off
- Button function: on/off, zero, tolerance, absolute/incremental measurement, max./min./TIR, data preset, mm/inch, data output, data hold
- Measuring force: 0.5-1N
- Reading in digital and analog
- Power: rechargeable battery, for 12 hours continuous working
- Data output
- Supplied with data output cable (keyboard format)

ATTENTION: RECHARGEABLE BATTERY, FOR 12 HOURS CONTINUOUS WORKING

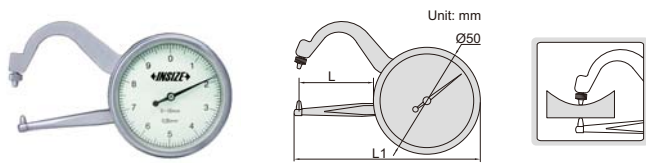


2879-10



Code	Range	Accuracy	Repeatability	List Price (₹)	Promotion Price (₹)
2879-10	0-10mm/0-0.4"	±0.002mm	0.001mm	54415	48974

THICKNESS GAGES



2862-101

(mm)

Code	Range	Graduation	Accuracy	L	L1	List Price (₹)	Promotion Price (₹)
2862-101	0-10mm	0.05mm	±0.1mm	35	85	3294	2628
2862-102	0-10mm	0.05mm	±0.1mm	60	110	3896	3779

THICKNESS GAGE



2863-10

Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
2863-10	0-10mm	0.05mm	±0.1mm	3287	2630

THICKNESS GAGE WITH POINTED TIPS



2866-10

- Graduation: 0.05mm
- Pointed tips fit into small grooves and recesses

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2866-10	0-10mm	±0.1mm	4358	3922

DIGITAL THICKNESS GAGE

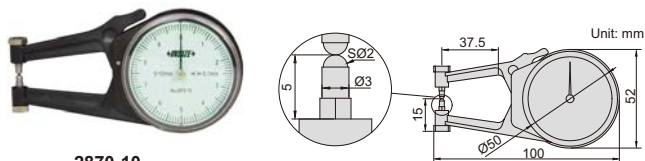


2710-25

- Resolution: 0.01mm, 0.001", 1/64"
- Repeatability: 0.02mm
- Buttons: on/off, zero, unit (mm/in/fraction), data hold
- Battery CR2032, automatic power off

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2710-25	0-25.4mm/0-1"	0.05mm	3833	2875

THICKNESS GAGE

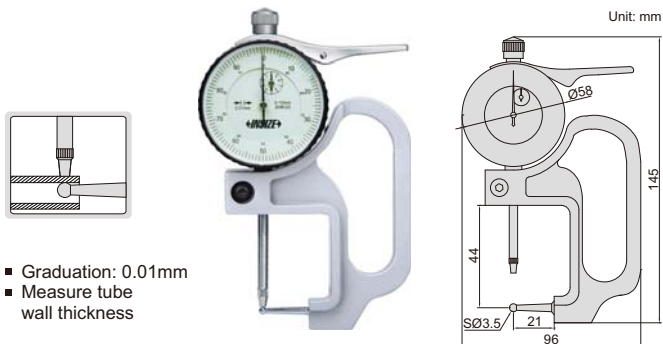


2870-10

- Graduation: 0.1mm
- Main body is made of hard plastic

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2870-10	0-10mm	±0.1mm	3052	2442

TUBE THICKNESS GAGE



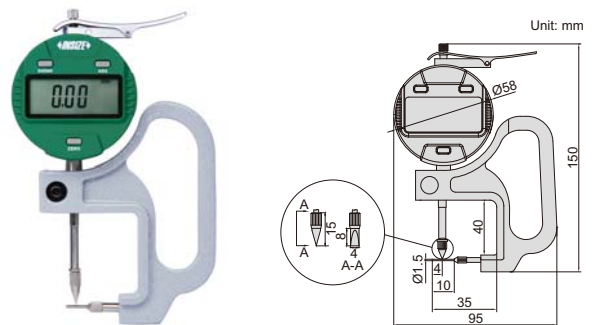
2367-10A

- Graduation: 0.01mm
- Measure tube wall thickness

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2367-10A	0-10mm	±0.02mm	8778	8339

DIGITAL TUBE THICKNESS GAGE

DATA OUTPUT



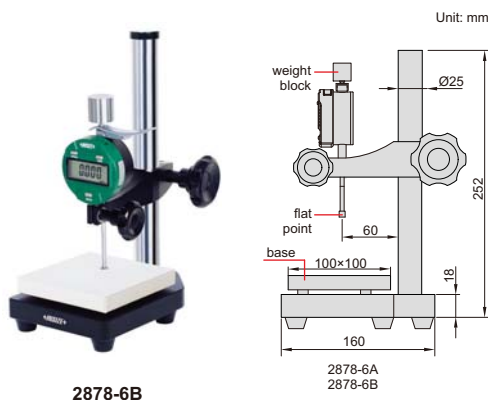
2873-10

- Buttons: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Keep preset data in memory after restart
- Battery CR2032, automatic power off (time is adjustable)
- Data output
- Optional accessory: data output cable (code 7315-50M, 7302-50M)

Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2873-10	0-10mm/0-0.4"	0.01mm/0.0005"	±0.02mm	11312	10181

DIGITAL RUBBER THICKNESS GAGES

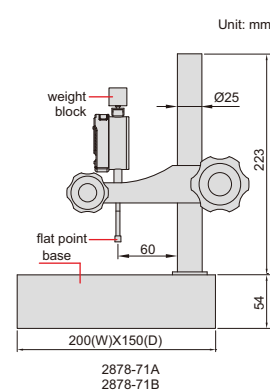
DATA OUTPUT



2878-6B



2878-71B



2878-71A
2878-71B

- Flat point diameter: 6mm
- Measure thickness of vulcanized rubber and plastic products
- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- CR2032 battery, automatic power off (time is adjustable)
- Supplied with dust cover
- Optional accessory: data output cable (code 7315-50M, 7302-50M), flat points, weight blocks

Code	Range	Resolution	Accuracy	Pressure	Base	List Price (₹)	Promotion Price (₹)
2878-6A	12.7mm/0.5"	0.01mm/0.0005"	20µm	22KPa±5KPa	ceramic, plain, flatness 1.5µm	25003	23752
2878-6B	12.7mm/0.5"	0.001mm/0.00005"	5µm	22KPa±5KPa	ceramic, plain, flatness 1.5µm	31003	29452
2878-71A	12.7mm/0.5"	0.01mm/0.0005"	20µm	22KPa±5KPa	granite, plain, flatness 2.5µm	21725	20639
2878-71B	12.7mm/0.5"	0.001mm/0.00005"	5µm	22KPa±5KPa	granite, plain, flatness 2.5µm	27726	26340

Flat points and weight blocks (optional)

Flat point	Flat point code	Pressure				
		10KPa±2KPa	22KPa±5KPa	20KPa±3KPa	70KPa±5KPa	1.6KPa±0.1KPa
		weight block code	weight block code	weight block code	weight block code	weight block code
Ø4mm	2878-P4	—	2878-W4B	—	—	—
Ø5mm	2878-P5	2878-W5A	2878-W5B	2878-W5C	2878-W5D	—
Ø6mm	2878-P6	2878-W6A	2878-W6B	—	—	—
Ø8mm	2878-P8	2878-W8A	2878-W8B	—	—	—
Ø10mm	2878-P10	2878-W10A	2878-W10B	2878-W10C	—	—
Ø25mm	2878-P25	—	—	—	—	2878-W25E
1x4mm (rectangle)	2878-P14	—	—	—	2878-W14D	—

DIAL SNAP GAGES

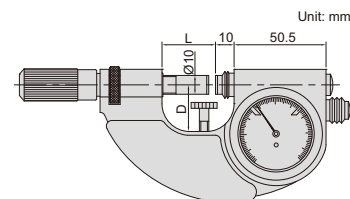
- Quick measurement for mass production
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- IP54 dust/waterproof
- Measuring force: 5-10N
- Carbide measuring faces
- Optional accessory: gage blocks grade 0 (4101-A series), for zero setting

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

IP54 WATERPROOF



3334-25



(mm)

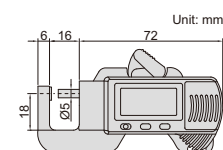
Code	Range	L	D	List Price (₹)	Promotion Price (₹)
3334-25	0-25mm	28.5	25	28227	25785
3334-50	25-50mm	53.5	35	31013	28331
3334-75	50-75mm	78.5	47.5	34430	31452
3334-100	75-100mm	103.5	60	36966	33768

DIGITAL SNAP GAGE

ATTENTION: NO DATA OUTPUT



2166-12

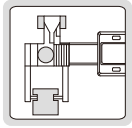


Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2166-12	0-12mm/0-0.5"	0.01mm/0.0005"	±0.03mm	8328	7607

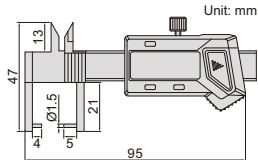
DIGITAL 3-PURPOSE SNAP GAGE

SUITABLE FOR JEWELLERY

ATTENTION: NO DATA OUTPUT



2164-25A



- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: zero, mm/inch, on/off
- Battery LR44
- Made of stainless steel

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2164-25A	0-25mm/0-1"	±0.03mm	10739	9383

STEP AND GAP GAGE

DATA OUTPUT

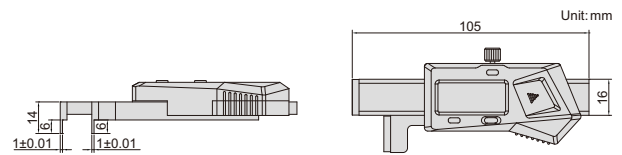


front



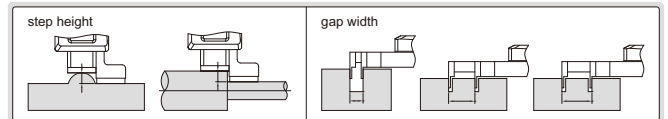
back

2168-12



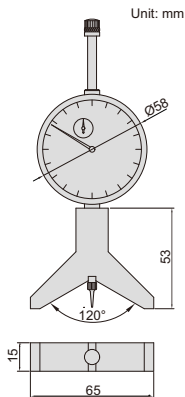
- Non waterproof
- Resolution: 0.01mm/0.0005"
- Measure step height and gap width
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with zero setting block
- Optional accessory: data output cable (code 7315-21, 7302-21)

zero setting block (included)

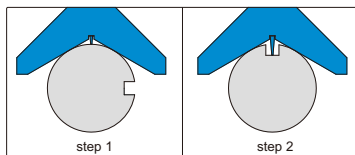
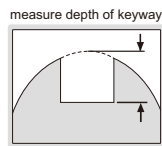


Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2168-12	0-12.7mm/0-0.5"	±0.03mm	13130	11817

DIAL KEYWAY DEPTH GAGE



2189-30

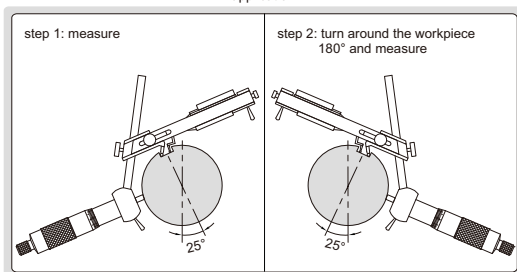


- Graduation: 0.01mm
- Measure keyway depth of cylindrical workpieces with diameter Ø10-100mm
- Stainless steel base
- Pointed tip

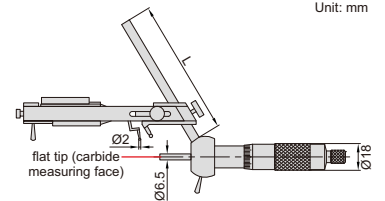
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2189-30	0-30mm	±0.03mm	10791	9712

KEYWAY SYMMETRY GAGE

application



4865-14



Code	Range		Graduation	Accuracy	L	List Price (₹)	Promotion Price (₹)
	diameter of shaft	width of keyway					
4865-14	14-110mm	5-28mm	0.01mm	0.02mm	100mm	65109	58598

- Used to measure the symmetry of shaft keyways



Gage Blocks
Page 95-96



Caliper Inspection Gage Block And Ring Gage Sets
Page 96



Micrometer Inspection Gage Block Sets
Page 97



Gage Block Holders
Page 97



Pin Gages
Page 97-98



Pin Gage Handles
Page 98



Setting Rings
Page 99



Measuring Balls
Page 100



Plain Plug Gages
Page 100-101



Threaded Hole Location Gages
Page 101

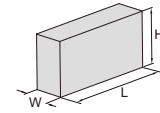


Thread Plug Gages
Page 102



Thread Ring Gages
Page 102

CERAMIC GAGE BLOCK SETS



Dimension:

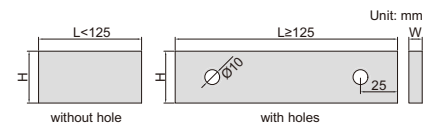
Size (L)	W	H
0.5 ≤ L ≤ 10mm	9mm	30mm
L > 10mm	9mm	35mm

- Made of ceramic, extremely wear resistance and corrosion resistance, excellent dimension stability
- Meet ISO3650
- Supplied with manufacturer inspection certificate

4105-87

Blocks per set	Gage blocks included in set			Code		List Price (₹)	Promotion Price (₹)	Code	
	Size (mm)	Step (mm)	Quantity	Grade 0	Grade 1			List Price (₹)	Promotion Price (₹)
87	1.001-1.009	0.001	9	4105-87	228256	221408	4105-187	190028	184327
	1.01-1.49	0.01	49						
	0.5-9.5	0.5	19						
	10-100	10	10						
32	1.005	0.01	1	4105-32	98617	86962	4105-132	89890	77632
	1.01-1.09		9						
	1.1-1.9		9						
	1-9		9						
	10-30		3						
	50		1						

STEEL GAGE BLOCK SETS



Dimension:

Size (L)	W	H
0.5 ≤ L ≤ 10mm	9mm	30mm
L > 10mm	9mm	35mm

- Made of alloy steel
- Meet ISO3650
- Gage blocks ≥ 125mm have clamping holes
- Supplied with manufacturer inspection certificate

4100-187

Blocks per set	Gage blocks included in set			Code		List Price (₹)	Promotion Price (₹)	Code	
	Size (mm)	Step (mm)	Quantity	Grade 1	Grade 2			List Price (₹)	Promotion Price (₹)
112	1.0005	0.001	1	4100-1112	57163	47937	4100-2112	31655	24365
	1.001-1.009		9						
	1.01-1.49		49						
	0.5-24.5		49						
	25-100		4						
87	1.001-1.009	0.001	9	4100-187	38194	32029	4100-287	20550	17658
	1.01-1.49		49						
	0.5-9.5		19						
	10-100		10						
			10						
83	0.5	0.01	1	4100-183	33257	28921	4100-283	19956	13654
	1		1						
	1.005		1						
	1.01-1.49		49						
	1.5-1.9		5						
	2-9.5		16						
10-100	10								
34	1.0005	0.001	1	4100-134	18660	13732	4100-234	10580	6837
	1.001-1.009		9						
	1.01-1.09		9						
	1.1-1.9		9						
	1-5		5						
	10		1						

INDIVIDUAL STEEL GAGE BLOCKS

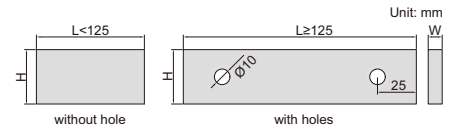
CUSTOM-MADE
CAN SUPPLY ANY SIZES FROM 0.5
TO 1000MM, SUCH AS 72.672MM



4101-B70



4101-B200



Dimension:

Size (L)	W	H
0.5 ≤ L ≤ 10mm	9mm	30mm
L > 10mm	9mm	35mm

- Grade 1
- Meet ISO3650
- Made of alloy steel
- Gage blocks with clamping holes: 125, 150, 175, 200, 250, 300, 400, 500, 600, 700, 800, 900, 1000mm
- Supplied with manufacturer inspection certificate

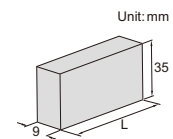
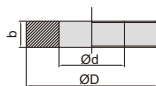
Code	Size (mm)	List Price (₹)	Promotion Price (₹)
4101-BD5	0.5	1254	1145
4101-B1	1	838	765
4101-B1D001	1.001	983	897
4101-B1D002	1.002	983	897
4101-B1D003	1.003	983	897
4101-B1D004	1.004	983	897
4101-B1D005	1.005	983	897
4101-B1D006	1.006	983	897
4101-B1D009	1.009	983	897
4101-B1D01	1.01	983	897
4101-B1D02	1.02	983	897
4101-B1D03	1.03	983	897
4101-B1D04	1.04	983	897
4101-B1D05	1.05	983	897
4101-B1D06	1.06	983	897
4101-B1D07	1.07	983	897
4101-B1D08	1.08	983	897
4101-B1D09	1.09	983	897
4101-B1D1	1.1	983	897
4101-B1D12	1.12	983	897
4101-B1D15	1.15	983	897
4101-B1D16	1.16	983	897
4101-B1D18	1.18	983	897
4101-B1D19	1.19	983	897
4101-B1D2	1.2	983	897
4101-B1D21	1.21	983	897
4101-B1D22	1.22	983	897
4101-B1D24	1.24	983	897
4101-B1D25	1.25	983	897
4101-B1D26	1.26	983	897
4101-B1D27	1.27	983	897

Code	Size (mm)	List Price (₹)	Promotion Price (₹)
4101-B1D3	1.3	983	897
4101-B1D32	1.32	983	897
4101-B1D33	1.33	983	897
4101-B1D34	1.34	983	897
4101-B1D35	1.35	983	897
4101-B1D36	1.36	983	897
4101-B1D37	1.37	983	897
4101-B1D4	1.4	983	897
4101-B1D42	1.42	983	897
4101-B1D43	1.43	983	897
4101-B1D45	1.45	983	897
4101-B1D46	1.46	983	897
4101-B1D47	1.47	983	897
4101-B1D48	1.48	983	897
4101-B1D49	1.49	983	897
4101-B1D5	1.5	983	897
4101-B1D7	1.7	983	897
4101-B1D8	1.8	983	897
4101-B1D9	1.9	983	897
4101-B2	2	838	765
4101-B2D5	2.5	983	897
4101-B3	3	838	765
4101-B3D5	3.5	983	897
4101-B4	4	838	765
4101-B4D5	4.5	983	897
4101-B5	5	838	765
4101-B5D5	5.5	983	897
4101-B6	6	858	784
4101-B7	7	858	784
4101-B7D5	7.5	1008	921
4101-B8	8	858	784

Code	Size (mm)	List Price (₹)	Promotion Price (₹)
4101-B8D5	8.5	1008	921
4101-B9	9	858	784
4101-B9D5	9.5	1008	921
4101-B10	10	938	858
4101-B11	11	1100	1005
4101-B12	12	1100	1005
4101-B13	13	1100	1005
4101-B14	14	1100	1005
4101-B15	15	938	858
4101-B16	16	1100	1005
4101-B18	18	1100	1005
4101-B20	20	938	858
4101-B21	21	1100	1005
4101-B22	22	1100	1005
4101-B23	23	1100	1005
4101-B25	25	938	858
4101-B30	30	1580	1443
4101-B35	35	2791	2550
4101-B40	40	1580	1443
4101-B45	45	3123	2853
4101-B50	50	1624	1483
4101-B60	60	2019	1844
4101-B70	70	2139	1954
4101-B75	75	2057	1879
4101-B80	80	2256	2060
4101-B90	90	2453	2241
4101-B100	100	2652	2423
4101-B125	125	4690	4284
4101-B131D4	131.4	7719	7051
4101-B150	150	6588	6018

CALIPER INSPECTION GAGE BLOCK AND RING GAGE SET

- Ring gages included in set (Ød): 4mm, 25mm
- Gage blocks meet ISO3650
- Ring gages meet DIN2250-1:2008
- Supplied with manufacturer inspection certificate



4176-30

Grade of gage blocks: 2 (mm)

Code	Material	Gage blocks included in set (L)	Applicable calipers	List Price (₹)	Promotion Price (₹)
4176-30	alloy steel	30, 41.3, 131.4	0-150	12667	11486

Setting ring sizes:

Diameter (Ød) *	b	ØD
Ø4mm	5mm	22mm
Ø25mm	14mm	53mm

*The size of the ring gage when supplied may have deviation. For example, the size Ø25mm may be 24.996mm

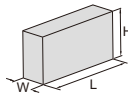
MICROMETER INSPECTION GAGE BLOCK SET



4160-10



optical flat (included)



Dimension:

Size (L)	W	H
0.5 ≤ L ≤ 10mm	9mm	30mm
L > 10mm	9mm	35mm

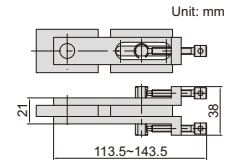
- Meet ISO3650/grade 0
- One piece of optical flat is included (size Ø30x12mm)
- Supplied with manufacturer inspection certificate

Code	Material	Gage blocks included in set	Applicable micrometer	List Price (₹)	Promotion Price (₹)
4160-10	alloy steel	2.5mm, 5.1mm, 7.7mm, 10.3mm, 12.9mm, 15mm, 17.6mm, 20.2mm, 22.8mm, 25mm	0-25mm	31224	28523

GAGE BLOCK HOLDER



6886-1



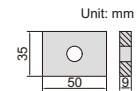
- For gage blocks over 125mm with clamping holes
- Optional accessory: gage block holder accessory, gage block accessory (code 6881)

Code	List Price (₹)	Promotion Price (₹)
6886-1	4961	4713

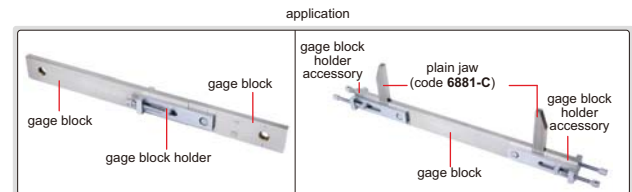
GAGE BLOCK HOLDER ACCESSORY



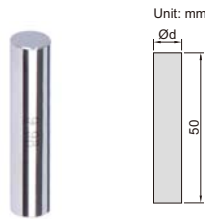
6886-A



Code
6886-A



INDIVIDUAL STEEL PIN GAGES WITH TWO DECIMAL PLACES (0.01MM STEP)



4110-9D98

Ordering examples:

Diameter	Code
0.21mm	4110-0D21
5.56mm	4110-5D56
16.00mm	4110-16D00

Note : "D" stands for "."

- Meet DIN2269, grade 1
- Diameter range: Ø0.20~Ø20.00mm
- Diameter accuracy: ±1µm
- Made of alloy steel
- Hardness HRC62-65
- Optional accessory: wooden box (code 7340)

Diameter Ød (mm)
0.20, 0.21, 0.22, 0.23, ... 1.00
1.01, 1.02, 1.03, 1.04, ... 2.00
2.01, 2.02, 2.03, 2.04, ... 3.00
3.01, 3.02, 3.03, 3.04, ... 4.00
4.01, 4.02, 4.03, 4.04, ... 5.00
5.01, 5.02, 5.03, 5.04, ... 6.00
6.01, 6.02, 6.03, 6.04, ... 7.00
7.01, 7.02, 7.03, 7.04, ... 8.00
8.01, 8.02, 8.03, 8.04, ... 9.00
9.01, 9.02, 9.03, 9.04, ... 10.00

Diameter Ød (mm)
10.01, 10.02, 10.03, 10.04, ... 11.00
11.01, 11.02, 11.03, 11.04, ... 12.00
12.01, 12.02, 12.03, 12.04, ... 13.00
13.01, 13.02, 13.03, 13.04, ... 14.00
14.01, 14.02, 14.03, 14.04, ... 15.00
15.01, 15.02, 15.03, 15.04, ... 16.00
16.01, 16.02, 16.03, 16.04, ... 17.00
17.01, 17.02, 17.03, 17.04, ... 18.00
18.01, 18.02, 18.03, 18.04, ... 19.00
19.01, 19.02, 19.03, 19.04, ... 20.00

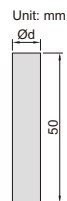
Code
4110-□□□□

INDIVIDUAL STEEL PIN GAGES WITH THREE DECIMAL PLACES (0.001MM STEP)

- Meet DIN2269, grade 1
- Diameter range: $\varnothing 0.200$ – $\varnothing 30.000$ mm with three decimal, for example 0.211mm, 5.562mm, 16.298mm
- Diameter accuracy: $\pm 1\mu\text{m}$
- Made of alloy steel
- Hardness HRC62-65
- Optional accessory: wooden box (code 7340)



4118-8D015



Ordering examples:

Diameter	Code
0.211mm	4118-0D211
5.562mm	4118-5D562
16.298mm	4118-16D298

Note: "D" stands for "."

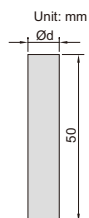
Code	Diameter range $\varnothing d$ (mm)
4118-□□□□*	0.200–30.000

* Supplied with manufacturer inspection certificate

STEEL PIN GAGE SETS



4166-10



- Meet DIN2267, grade 1
- Made of alloy steel
- Hardness HRC62-65
- Diameter accuracy: $\pm 1\mu\text{m}$

Code	Diameter $\varnothing d$ (mm)	Step	Pin gages per set	List Price (₹)	Promotion Price (₹)
4166-0D	0.20, 0.21, 0.22, ..., 0.50	0.01mm	31	10689	8546
4166-1	0.50, 0.51, 0.52, ..., 1.00	0.01mm	51	16591	13264
4166-1D	1.00, 1.01, 1.02, ..., 1.50	0.01mm	51	16591	13264
4166-2	1.50, 1.51, 1.52, ..., 2.00	0.01mm	51	16591	13264
4166-2D	2.00, 2.01, 2.02, ..., 2.50	0.01mm	51	16591	13264
4166-3	2.50, 2.51, 2.52, ..., 3.00	0.01mm	51	16591	13264
4166-3D	3.00, 3.01, 3.02, ..., 3.50	0.01mm	51	16591	13264
4166-4	3.50, 3.51, 3.52, ..., 4.00	0.01mm	51	16591	13264
4166-4D	4.00, 4.01, 4.02, ..., 4.50	0.01mm	51	16591	13264
4166-5	4.50, 4.51, 4.52, ..., 5.00	0.01mm	51	16591	13264
4166-5D	5.00, 5.01, 5.02, ..., 5.50	0.01mm	51	16591	13264
4166-6	5.50, 5.51, 5.52, ..., 6.00	0.01mm	51	16591	13264
4166-6D	6.00, 6.01, 6.02, ..., 6.50	0.01mm	51	16591	13264
4166-7	6.50, 6.51, 6.52, ..., 7.00	0.01mm	51	16591	13264
4166-7D	7.00, 7.01, 7.02, ..., 7.50	0.01mm	51	16591	13264
4166-8	7.50, 7.51, 7.52, ..., 8.00	0.01mm	51	16591	13264
4166-8D	8.00, 8.01, 8.02, ..., 8.50	0.01mm	51	16591	13264
4166-9	8.50, 8.51, 8.52, ..., 9.00	0.01mm	51	16610	13280
4166-9D	9.00, 9.01, 9.02, ..., 9.50	0.01mm	51	17560	14040
4166-10	9.50, 9.51, 9.52, ..., 10.00	0.01mm	51	17619	14085

Code	Diameter $\varnothing d$ (mm)	Step	Pin gages per set	List Price (₹)	Promotion Price (₹)
4166-411	1.0, 1.1, 1.2, ..., 5.0	0.1mm	41	10949	7877
4166-511	5.0, 5.1, 5.2, ..., 10.0	0.1mm	51	14870	10699

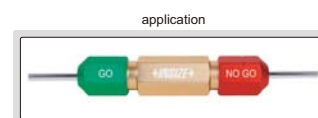
PIN GAGE HANDLES (OPERATED WITHOUT WRENCH)

- Operated without wrench
- Made of aluminum
- Pin gages can be installed

Code	Applicable pin gage diameter	List Price (₹)	Promotion Price (₹)
7342-M0	0.3-1.5mm/0.011-0.060"	2300	2070
7342-M1	1.51-6.35mm/0.061-0.250"	2300	2070
7342-M2	6.36-12.70mm/0.251-0.500"	2699	2429
7342-M3	12.71-15.88mm/0.501-0.625"	3102	2792
7342-M4	15.89-19.00mm/0.626-0.750"	3691	3322
7342-M5	19.01-21.13mm/0.751-0.832"	4172	3755
7342-M6	21.14-23.27mm/0.833-0.916"	4572	4115
7342-M7	23.28-25.4mm/0.917-1.000"	4869	4382



7342-M1

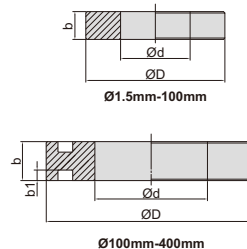


SETTING RINGS



CAN SUPPLY CUSTOM SETTING RINGS FROM Ø1.500MM TO Ø200.000MM, FOR EXAMPLE, Ø17.085MM

- For zero setting of inside micrometers, three points internal micrometers and bore gages
- The size marked on the setting ring is checked at the direction of the marking line
- Deviation (difference between the ordered size and the size marked on the setting ring when supplied): For example, the ordered size is Ø10.125mm, the size marked on the setting ring when supplied may be Ø10.135mm
- Meet DIN2250-1:2008



Diameter d ^{***}	b	ØD	Deviation	Roundness and cylindricity
Ø1.5-2.5	4mm	22mm	±10.0µm	0.3µm
Ø2.5-3	5mm	22mm	±10.0µm	0.3µm
Ø3-5	5mm	22mm	±10.0µm	0.4µm
Ø5-10	8mm	32mm	±10.0µm	0.4µm
Ø10-15	10mm	38mm	±10.0µm	0.5µm
Ø15-18	12mm	45mm	±10.0µm	0.5µm
Ø18-20	12mm	45mm	±10.0µm	0.6µm
Ø20-25	14mm	53mm	±10.0µm	0.6µm
Ø25-30	16mm	63mm	±10.0µm	0.6µm
Ø30-32	16mm	63mm	±10.0µm	0.7µm
Ø32-40	18mm	71mm	±10.0µm	0.7µm
Ø40-50	20mm	85mm	±10.0µm	0.7µm
Ø50-60	20mm	100mm	±10.0µm	0.8µm
Ø60-70	24mm	112mm	±10.0µm	0.8µm
Ø70-80	24mm	125mm	±10.0µm	0.8µm
Ø80-90	24mm	140mm	±10.0µm	1.0µm
Ø90-100	24mm	160mm	±10.0µm	1.0µm

(mm)

Diameter d ^{***}	b	b1	ØD	Deviation	Roundness and cylindricity
Ø100-110	30mm	8mm	164mm	±10.0µm	1.0µm
Ø110-130	34mm	10mm	192mm	±10.0µm	1.0µm
Ø130-150	34mm	10mm	220mm	±10.0µm	1.2µm
Ø150-170	36mm	10mm	248mm	±10.0µm	1.5µm
Ø170-190	36mm	10mm	276mm	±10.0µm	1.5µm
Ø190-210	38mm	10mm	300mm	±10.0µm	1.5µm
Ø210-230	38mm	10mm	324mm	±10.0µm	2.5µm
Ø230-250	40mm	12mm	350mm	±10.0µm	2.5µm
Ø250-270	40mm	12mm	375mm	±10.0µm	3.0µm
Ø270-290	42mm	12mm	400mm	±10.0µm	3.0µm
Ø290-300	42mm	12mm	425mm	±10.0µm	3.0µm
Ø300-320	42mm	12mm	430mm	±10.0µm	4.0µm
Ø320-330	42mm	12mm	440mm	±10.0µm	4.0µm
Ø330-340	42mm	12mm	450mm	±10.0µm	4.0µm
Ø340-350	42mm	12mm	460mm	±10.0µm	4.0µm
Ø350-360	42mm	12mm	470mm	±10.0µm	4.0µm
Ø360-370	42mm	12mm	480mm	±10.0µm	4.0µm
Ø370-380	42mm	12mm	490mm	±10.0µm	4.0µm
Ø380-390	42mm	12mm	500mm	±10.0µm	4.0µm
Ø390-400	42mm	12mm	510mm	±10.0µm	4.0µm

(mm)

*** For example Ø3-5mm means Ø3mm<diameter d≤Ø5mm

Code	Size (mm)	List Price (₹)	Promotion Price (₹)
6312-5*	Ø5	3019	2758
6312-6*	Ø6	3072	2806
6312-7*	Ø7	3072	2806
6312-8*	Ø8	3072	2806
6312-9*	Ø9	3072	2806
6312-10*	Ø10	3072	2494
6312-11*	Ø11	3311	2689
6312-12*	Ø12	3311	2689
6312-13*	Ø13	3311	2689
6312-14*	Ø14	3324	2699
6312-15*	Ø15	3324	2699
6312-16*	Ø16	3534	2870
6312-17*	Ø17	3534	2870
6312-18*	Ø18	3534	2870
6312-19*	Ø19	3546	2880
6312-20*	Ø20	3546	2880
6312-21*	Ø21	3757	3051
6312-22*	Ø22	3694	2999
6312-23*	Ø23	3757	3051
6312-24*	Ø24	3757	3051

Code	Size (mm)	List Price (₹)	Promotion Price (₹)
6312-25*	Ø25	3781	3070
6312-26*	Ø26	3993	3242
6312-27*	Ø27	3993	3242
6312-28*	Ø28	3993	3242
6312-29*	Ø29	3993	3242
6312-30*	Ø30	3912	3176
6312-31*	Ø31	4243	3445
6312-32*	Ø32	4243	3445
6312-33*	Ø33	4243	3445
6312-34*	Ø34	4243	3445
6312-35*	Ø35	4236	3440
6312-36*	Ø36	4542	3687
6312-37*	Ø37	4551	3696
6312-38*	Ø38	4551	3696
6312-39*	Ø39	4551	3696
6312-40*	Ø40	4453	3615
6312-41*	Ø41	4798	4383
6312-42*	Ø42	4798	4383
6312-43*	Ø43	4798	4383
6312-44*	Ø44	4798	4383

Code	Size (mm)	List Price (₹)	Promotion Price (₹)
6312-45*	Ø45	4798	4383
6312-46*	Ø46	5291	4833
6312-47*	Ø47	5291	4833
6312-48*	Ø48	5291	4833
6312-49*	Ø49	5391	4925
6312-50*	Ø50	5598	5114
6312-55*	Ø55	6341	5793
6312-60*	Ø60	6650	6075
6312-62*	Ø62	7243	6617
6312-65*	Ø65	6900	6303
6312-70*	Ø70	7446	6803
6312-75*	Ø75	8015	7321
6312-80*	Ø80	8223	7511
6312-85*	Ø85	9741	8899
6312-87*	Ø87	10512	9603
6312-90*	Ø90	10512	9603
6312-95*	Ø95	11514	10518
6312-100*	Ø100	12534	11450

*Supplied with manufacturer inspection certificate

CERAMIC MEASURING BALLS

- Zirconia material, high strength and hardness, extremely wear resistance and corrosion resistance, good insulation, antistatic and magnetic resistance
- Mirror surface without holes
- Supplied with manufacturer inspection certificate



4190-40D000

Individual

Code	Diameter	Accuracy	Roundness	List Price (₹)	Promotion Price (₹)
4190-1D000	1.000mm	±2µm	0.5µm	185	148
4190-1D200	1.200mm	±2µm	0.5µm	185	148
4190-1D300	1.300mm	±2µm	0.5µm	185	148
4190-1D340	1.340mm	±2µm	0.5µm	189	151
4190-1D500	1.500mm	±2µm	0.5µm	185	148
4190-1D588	1.588mm (1/16")	±2µm	0.5µm	183	146
4190-1D750	1.750mm	±2µm	0.5µm	183	146
4190-2D000	2.000mm	±2µm	0.5µm	183	146
4190-2D381	2.381mm (3/32")	±2µm	0.5µm	183	146
4190-2D500	2.500mm	±2µm	0.5µm	189	151
4190-2D778	2.778mm (7/64")	±2µm	0.5µm	198	158
4190-3D000	3.000mm	±2µm	0.5µm	200	160
4190-3D175	3.175mm (1/8")	±2µm	0.5µm	203	162
4190-3D500	3.500mm	±2µm	0.5µm	219	175
4190-3D969	3.969mm (5/32")	±2µm	0.5µm	226	181
4190-4D000	4.000mm	±2µm	0.5µm	227	182
4190-4D500	4.500mm	±2µm	0.5µm	237	190
4190-4D763	4.763mm (3/16")	±2µm	0.5µm	248	198
4190-5D000	5.000mm	±2µm	0.5µm	260	208
4190-5D556	5.556mm (7/32")	±2µm	0.5µm	262	210
4190-5D953	5.953mm (15/64")	±2µm	0.5µm	266	213
4190-6D000	6.000mm	±2µm	0.5µm	273	218
4190-6D350	6.350mm (1/4")	±2µm	0.5µm	286	229
4190-6D500	6.500mm	±2µm	0.5µm	281	225
4190-6D747	6.747mm (17/64")	±2µm	0.5µm	286	229
4190-7D000	7.000mm	±2µm	0.5µm	310	248
4190-7D144	7.144mm (9/32")	±2µm	0.5µm	321	257
4190-7D500	7.500mm	±2µm	0.5µm	339	271
4190-7D938	7.938mm (5/16")	±2µm	0.5µm	351	281
4190-8D000	8.000mm	±2µm	0.5µm	361	289
4190-8D731	8.731mm (11/32")	±2µm	0.5µm	383	306

Individual

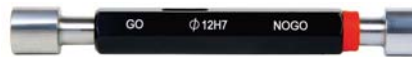
Code	Diameter	Accuracy	Roundness	List Price (₹)	Promotion Price (₹)
4190-9D525	9.525mm (3/8")	±2µm	0.5µm	392	314
4190-10D000	10.000mm	±2µm	0.5µm	408	326
4190-10D318	10.318mm (13/32")	±2µm	0.5µm	425	340
4190-11D000	11.000mm	±2µm	0.5µm	428	342
4190-11D113	11.113mm (7/16")	±2µm	0.5µm	441	353
4190-11D509	11.509mm (29/64")	±2µm	0.5µm	459	367
4190-11D906	11.906mm (15/32")	±2µm	0.5µm	477	382
4190-12D000	12.000mm	±2µm	0.5µm	492	394
4190-12D303	12.303mm (31/64")	±2µm	0.5µm	518	414
4190-12D700	12.700mm (1/2")	±2µm	0.5µm	530	424
4190-13D000	13.000mm	±2µm	0.6µm	564	451
4190-13D494	13.494mm (17/32")	±2µm	0.6µm	620	496
4190-14D000	14.000mm	±2µm	0.6µm	692	554
4190-14D288	14.288mm (9/16")	±2µm	0.6µm	726	581
4190-15D000	15.000mm	±2µm	0.6µm	830	664
4190-15D081	15.081mm (19/32")	±2.5µm	0.6µm	841	673
4190-15D875	15.875mm (5/8")	±2.5µm	0.6µm	975	780
4190-16D000	16.000mm	±2.5µm	0.6µm	1055	844
4190-16D669	16.669mm (21/32")	±2.5µm	0.6µm	1175	940
4190-17D462	17.462mm (11/16")	±2.5µm	0.6µm	1332	1066
4190-18D000	18.000mm	±2.5µm	0.6µm	1452	1162
4190-18D256	18.256mm (23/32")	±2.5µm	0.6µm	1504	1203
4190-19D050	19.050mm (3/4")	±2.5µm	0.6µm	1696	1357
4190-19D844	19.844mm (25/32")	±2.5µm	0.6µm	1901	1521
4190-20D000	20.000mm	±2.5µm	0.6µm	1945	1556
4190-22D000	22.000mm	±2.5µm	1µm	2542	2034
4190-22D225	22.225mm (7/8")	±2.5µm	1µm	2618	2094
4190-23D812	23.812mm (15/16")	±2.5µm	1µm	3192	2554
4190-25D000	25.000mm	±2.5µm	1µm	3674	2939
4190-40D000	40.000mm	±2.5µm	1.5µm	11909	9527

Set (25 pairs)

Code	Ceramic balls included (one pair per size)	List Price (₹)	Promotion Price (₹)
4190-S25	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 6, 6.5, 7, 7.5, 8, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 25mm	25439	20351

PLAIN PLUG GAGES

- Supplied with Go and No-Go gages together
- Class H7
- Hardness HRC 60±2
- Standard DIN7150-2

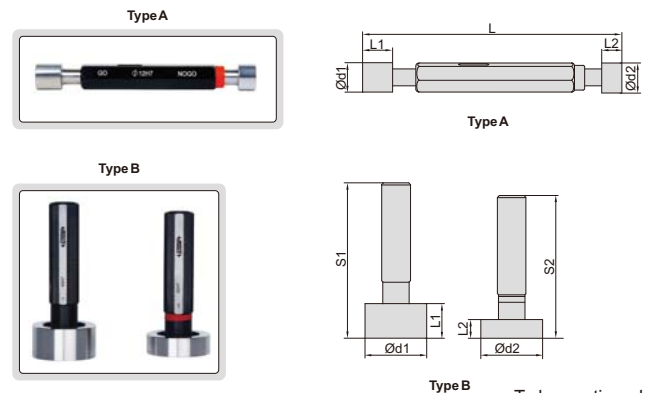


4124-12

CUSTOM-MADE
OTHER CLASSES ARE AVAILABLE, SUCH AS H8, H9
OTHER DIAMETERS ARE AVAILABLE, SUCH AS 19.003mm
OTHER LENGTHS ARE AVAILABLE, SUCH AS 70mm

Size tolerance of H7

Diameter Ød	Type	Size tolerance of Go gage (µm)	Size tolerance of No-Go gage (µm)	L1	L2	L	S1, S2
≥2, ≤3	A	+0.5 / +2.5	+9 / +11	6.5	4.5	62	-
>3, ≤6	A	+0.75 / +3.25	+10.75 / +13.25	8	6	74	-
>6, ≤10	A	+0.75 / +3.25	+13.75 / +16.25	10	7	87	-
>10, ≤14	A	+1 / +4	+16.5 / +19.5	12	8	99	-
>14, ≤18	A	+1 / +4	+16.5 / +19.5	14	10	114	-
>18, ≤24	A	+1 / +5	+19 / +23	16	12	132	-
>24, ≤30	A	+1 / +5	+19 / +23	18	14	136	-
>30, ≤40	A	+1.5 / +5.5	+23 / +27	20	15	155	-
>40, ≤50	A	+1.5 / +5.5	+23 / +27	25	18	169	-
>50, ≤65	B	+1.5 / +6.5	+27.5 / +32.5	30	18	-	164, 152
>65, ≤80	B	+1.5 / +6.5	+27.5 / +32.5	35	25	-	169, 159
>80, ≤100	B	+2 / +8	+32 / +38	35	25	-	169, 159



To be continued

Continued from previous page

Code	Diameter	Type	List Price (₹)	Promotion Price (₹)	Code	Diameter	Type	List Price (₹)	Promotion Price (₹)	Code	Diameter	Type	List Price (₹)	Promotion Price (₹)
4124-2	2mm	A	1437	1313	4124-22	22mm	A	1903	1739	4124-42	42mm	A	3535	3229
4124-3	3mm	A	1437	1313	4124-23	23mm	A	1903	1739	4124-43	43mm	A	3508	3204
4124-4	4mm	A	1495	1365	4124-24	24mm	A	1915	1750	4124-44	44mm	A	3508	3204
4124-5	5mm	A	1495	1365	4124-25	25mm	A	2236	2043	4124-45	45mm	A	4576	4180
4124-6	6mm	A	1609	1470	4124-26	26mm	A	2288	2090	4124-46	46mm	A	4538	4146
4124-7	7mm	A	1421	1298	4124-27	27mm	A	2305	2106	4124-47	47mm	A	4538	4146
4124-8	8mm	A	1434	1309	4124-28	28mm	A	2288	2090	4124-48	48mm	A	4538	4146
4124-9	9mm	A	1291	1179	4124-29	29mm	A	2288	2090	4124-49	49mm	A	4538	4146
4124-10	10mm	A	1473	1345	4124-30	30mm	A	2305	2106	4124-50	50mm	A	4766	4354
4124-11	11mm	A	1326	1212	4124-31	31mm	A	2611	2385	4124-52	52mm	B	6192	5657
4124-12	12mm	A	1335	1219	4124-32	32mm	A	2631	2404	4124-55	55mm	B	6192	5657
4124-13	13mm	A	1404	1283	4124-33	33mm	A	2611	2385	4124-60	60mm	B	6192	5657
4124-14	14mm	A	1414	1291	4124-34	34mm	A	2611	2385	4124-65	65mm	B	8106	7404
4124-15	15mm	A	1576	1440	4124-35	35mm	A	2648	2420	4124-70	70mm	B	8423	7695
4124-16	16mm	A	1563	1428	4124-36	36mm	A	2658	2429	4124-75	75mm	B	9521	8698
4124-17	17mm	A	1563	1428	4124-37	37mm	A	2658	2429	4124-80	80mm	B	9521	8698
4124-18	18mm	A	1596	1458	4124-38	38mm	A	2658	2429	4124-85	85mm	B	10675	9752
4124-19	19mm	A	1866	1704	4124-39	39mm	A	3508	3204	4124-90	90mm	B	10675	9752
4124-20	20mm	A	1874	1712	4124-40	40mm	A	3535	3229	4124-95	95mm	B	11455	10465
4124-21	21mm	A	1903	1739	4124-41	41mm	A	3508	3204	4124-100	100mm	B	11455	10465

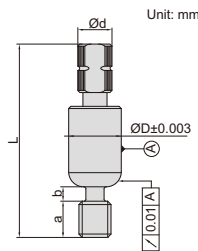
THREADED HOLE LOCATION GAGES

INSIZE PLUS
MADE IN EUROPE

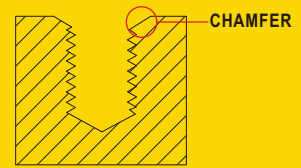
- Only for the workpieces that the chamfer is concentric with the screw part



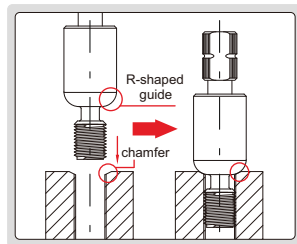
4676-12



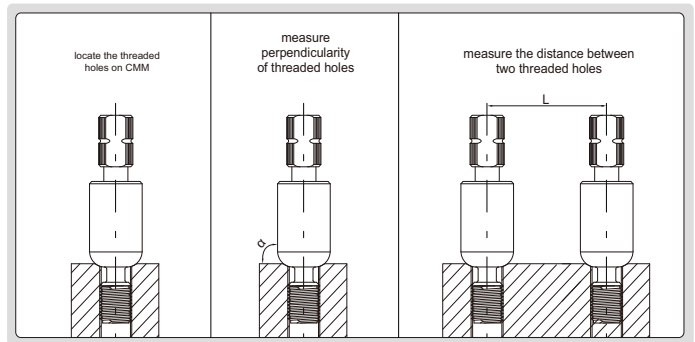
ATTENTION: ONLY FOR THE WORKPIECES THAT THE CHAMFER IS CONCENTRIC WITH THE SCREW PART



there is a R-shaped guide, which leads the gage to the center of the threaded holes by fitting the R-shaped guide on the chamfer of the threaded holes



application



(mm)

Code	Size	Ød	ØD	a	b	L	List Price (₹)	Promotion Price (₹)
4676-3	M3×0.5	4	7	4	2	26	3717	3531
4676-4	M4×0.7	4	7	4	2	26	3717	3531
4676-5	M5×0.8	5.5	9	6	2	33	4210	4000
4676-6	M6×1.0	5.5	9	6	2	33	4210	4000
4676-8	M8×1.25	8.5	13	9	3.5	48	4657	4424
4676-10	M10×1.5	8.5	13	9	3.5	48	4657	4424
4676-12	M12×1.75	12	17	10	3.5	55	4657	4424

METRIC THREAD PLUG GAGES

WARNING: LIFE TIME IS LIMITED,
CAN BE USED ABOUT 2000 TIMES



Individual

Code	Size (mm)	List Price (₹)	Promotion Price (₹)
4130-2*	M2x0.4	2459	1468
4130-2D5*	M2.5x0.45	2418	1443
4130-3*	M3x0.5	2418	1404
4130-3D5*	M3.5x0.6	2590	1435
4130-4*	M4x0.7	1765	1147
4130-5*	M5x0.8	1765	1147
4130-6*	M6x1	1765	1147
4130-7*	M7x1	1765	1147
4130-8*	M8x1.25	1765	1147
4130-9*	M9x1.25	1765	1147
4130-10*	M10x1.5	2099	1193
4130-11*	M11x1.5	2109	1199
4130-12*	M12x1.75	2384	1355
4130-14*	M14x2	2504	1626
4130-16*	M16x2	2517	1635

Code	Size (mm)	List Price (₹)	Promotion Price (₹)
4130-18*	M18x2.5	2698	2191
4130-20*	M20x2.5	2744	2228
4130-22*	M22x2.5	2802	1820
4130-24*	M24x3	3262	2118
4130-27*	M27x3	3262	2648
4130-30*	M30x3.5	3775	3065
4130-33*	M33x3.5	3907	3173
4130-36*	M36x4	5249	4262
4130-39*	M39x4	5249	4262
4130-42*	M42x4.5	7057	4585
4130-45*	M45x4.5	7134	4634
4130-48*	M48x5	7604	6174
4130-52*	M52x5	8045	6533
4130-56*	M56x5.5	8635	7012
4130-60*	M60x5.5	9234	6749



4130-10

- Supplied with Go and No-Go gages together
- Class 6H
- Standard ISO1502

Set (class 6H)

Code	Thread plug gages included (mm)	List Price (₹)	Promotion Price (₹)
4130-S7*	M3x0.5 (4130-3), M4x0.7 (4130-4), M5x0.8 (4130-5), M6x1 (4130-6), M8x1.25 (4130-8), M10x1.5 (4130-10), M12x1.75 (4130-12)	13147	8540

*Supplied with manufacturer inspection certificate

METRIC THREAD RING GAGES

WARNING: LIFE TIME IS LIMITED,
CAN BE USED ABOUT 2000 TIMES



4120-16



4120-16N

- Go and No-Go gages are supplied separately
- Class 6g
- Standard ISO1502

Individual

Code (GO)	List Price (₹)	Promotion Price (₹)	Code (NOGO)	List Price (₹)	Promotion Price (₹)	Size (mm)
4120-2*	3229	2622	4120-2N*	3229	2098	M2x0.4
4120-2D2*	3001	2437	4120-2D2N*	2720	2209	M2.2x0.45
4120-2D5*	2821	1832	4120-2D5N*	2821	1832	M2.5x0.45
4120-3*	2720	1508	4120-3N*	2720	1508	M3x0.5
4120-3D5*	2720	1508	4120-3D5N*	2647	1467	M3.5x0.6
4120-4*	2720	1508	4120-4N*	2631	1389	M4x0.7
4120-5*	2720	1508	4120-5N*	2631	1389	M5x0.8
4120-6*	2423	1377	4120-6N*	2176	1236	M6x1
4120-7*	2432	1451	4120-7N*	2196	1310	M7x1
4120-8*	2423	1377	4120-8N*	2423	1377	M8x1.25
4120-9*	2438	1524	4120-9N*	2438	1524	M9x1.25
4120-10*	2846	1652	4120-10N*	2368	1346	M10x1.5
4120-11*	2872	1668	4120-11N*	2394	1361	M11x1.5
4120-12*	2497	1490	4120-12N*	2146	1372	M12x1.75
4120-14*	2792	2268	4120-14N*	2315	1880	M14x2
4120-16*	2792	2268	4120-16N*	2315	1880	M16x2
4120-18*	3179	2581	4120-18N*	2569	2086	M18x2.5
4120-20*	3203	2601	4120-20N*	2600	2111	M20x2.5
4120-22*	3203	2601	4120-22N*	2643	2146	M22x2.5
4120-24*	4145	3366	4120-24N*	2862	2323	M24x3
4120-27*	4099	3328	4120-27N*	2862	2323	M27x3
4120-30*	5648	3669	4120-30N*	3455	2805	M30x3.5
4120-33*	6113	3971	4120-33N*	3929	3190	M33x3.5

Go ring gage set (Class 6g)

Code	Thread plug gages included (mm)	List Price (₹)	Promotion Price (₹)
4120-S7*	M3x0.5 (4120-3), M4x0.7 (4120-4), M5x0.8 (4120-5), M6x1 (4120-6), M8x1.25 (4120-8), M10x1.5 (4120-10), M12x1.75 (4120-12)	17403	9892

NO Go ring gage set (Class 6g)

Code	Thread plug gages included (mm)	List Price (₹)	Promotion Price (₹)
4120-S7N*	M3x0.5 (4120-3N), M4x0.7 (4120-4N), M5x0.8 (4120-5N), M6x1 (4120-6N), M8x1.25 (4120-8N), M10x1.5 (4120-10N), M12x1.75 (4120-12N)	16244	9233

*Supplied with manufacturer inspection certificate

13

ANGLE, STRAIGHTNESS, FLAT MEASURING INSTRUMENTS



Protractors
Page 104-106



Granite Squares
Page 106



Perpendicularity Testers
Page 107



Squares
Page 107-108



Straight Edges
Page 108



Straight Edges
Page 108-109



Optical Flats
Page 109



Flatness Measurement Stands
Page 109

WATERPROOF DIGITAL PROTRACTOR (HEAVY DUTY)

IP54
WATERPROOF

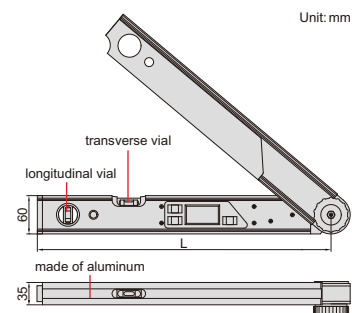
AUTOMATIC
BACKLIGHT

ABSOLUTE
LEVEL

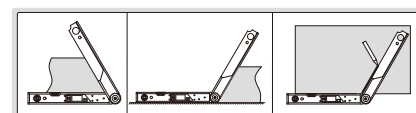
- Suitable for setting horizontal and vertical mitre angles of cutting machine
- Buttons: ON/OFF, HOLD/SUP, SPR/CNR/MTR/BVL
- IP54 dust/waterproof
- With transverse and longitudinal vials
- 2xAAA batteries
- Absolute level, zero setting is not needed when batteries are replaced
- Backlight turns off in one minute after no data changing, automatic power off in 5 minutes



2174-225

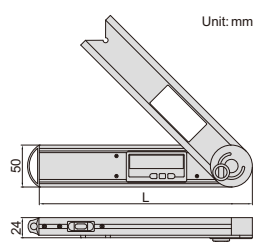


Unit: mm



Code	Size (L)	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2174-225	460mm	0-225°	0.05°	±0.10°	7866	7473

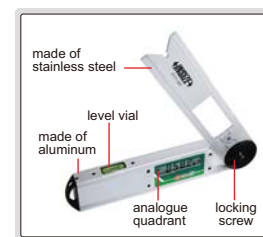
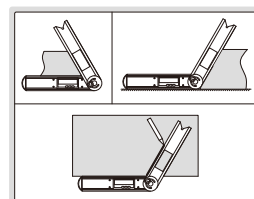
DIGITAL PROTRACTOR



Unit: mm



2171-250

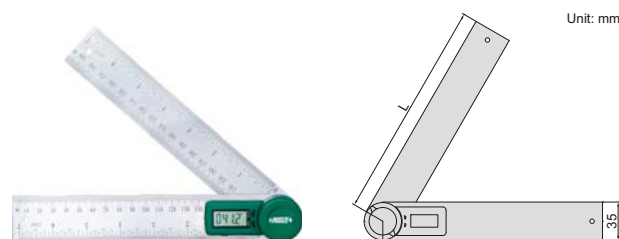
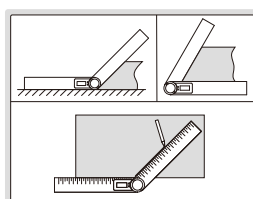


- Buttons: on/off, hold (keep the reading), zero, ABS (absolute and incremental measurement)
- Fix the locking screw at 4 positions for different measuring ranges: 0°~225°, -225°~0°, -45°~180°, -180°~45°
- Remove the locking screw for 360° range
- With level vial
- Battery CR2032
- Automatic power off

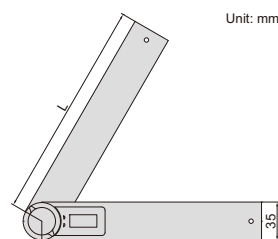
Code	Size (L)	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2171-250	250mm	0-360°	0.05°	±0.15°	3685	3538

DIGITAL PROTRACTORS

- Resolution: 0.1°
- Buttons: on/off, zero
- With clamping screw to lock the blades
- Graduation of blade: 1mm and 1/32"
- Made of stainless steel
- CR2032 battery, automatic power off



2176-200



Unit: mm

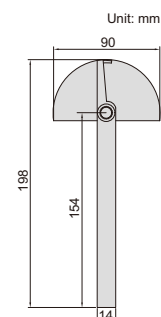
Code	Size (L)	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2176-200	200mm	0-360°	±0.3°	2302	1794
2176-300	300mm	0-360°	±0.3°	2651	2059

PROTRACTOR (ECONOMIC TYPE)

- Made of stainless steel
- With clamping screw



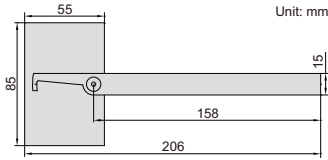
4780-85A



Unit: mm

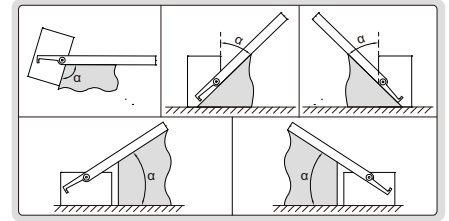
Code	Size	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4780-85A	90x154mm	0-180°	1°	±0.5°	568	511

PROTRACTOR



4781-85A

- Made of stainless steel
- Satin chrome plated scale
- With clamping screw

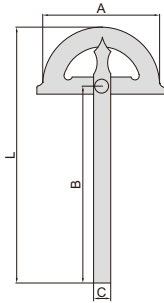


Code	Size	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4781-85A	85x158mm	0-180°	1°	±0.3°	1359	1223

PROTRACTORS



4799-180



- Range: 0-180°
- Accuracy: ±0.3°
- Graduation: 1°
- Made of stainless steel (4799-1300 is made of carbon steel)
- Satin chrome plated scale
- With clamping screw

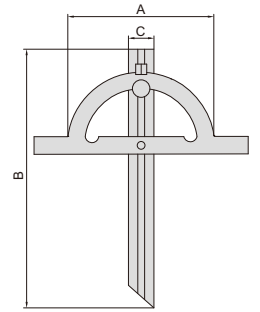
(mm)

Code	Size (AxB)	L	C	List Price (₹)	Promotion Price (₹)
4799-180	80x120mm	168	11	1518	1386
4799-1120	120x150mm	220	14	1570	1434
4799-1150	150x200mm	285	16	2110	1927
4799-1200	200x300mm	413	20	2897	2646
4799-1300	300x500mm	675	30	3986	3642

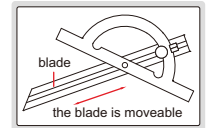
PROTRACTORS



4797-100

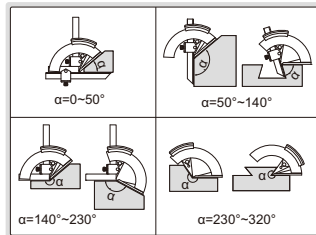


- Range: 10-170°
- Accuracy: ±0.3°
- Graduation: 1°
- Made of carbon steel
- Satin chrome plated
- With clamping screw
- The blade is moveable



Code	Size (AxB)	C	List Price (₹)	Promotion Price (₹)
4797-100	100x150mm	18mm	2039	1835
4797-150	150x300mm	22mm	2363	2292
4797-200	200x400mm	24mm	2969	2880
4797-250	250x500mm	28mm	4391	3952
4797-300	300x600mm	32mm	5399	4859

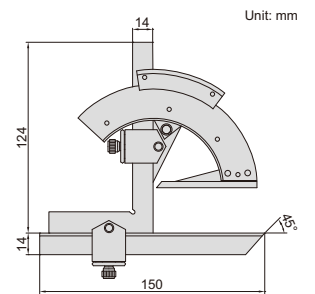
PROTRACTOR



- Made of stainless steel
- Satin chrome plated scale



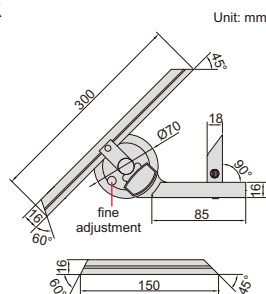
2374-320



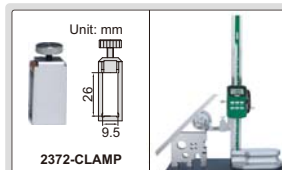
Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
2374-320	0-320°	2'	±2'	5627	5346

UNIVERSAL PROTRACTOR

- Graduation: 5'
- Parallax-free reading
- Made of stainless steel
- Optional accessory: clamp (code 2372-CLAMP), suitable for height gages 1156, 1150-300, 1351, 1151 and 1250



clamp for height gages (optional)



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2372-360	0-360°	±5'	5386	4738



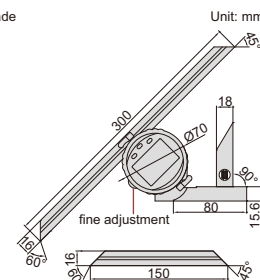
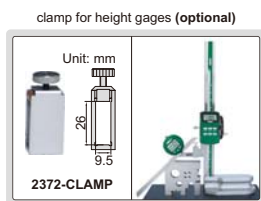
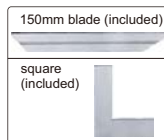
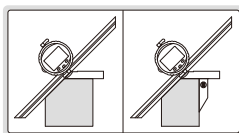
2372-360

DIGITAL PROTRACTOR



DATA OUTPUT

- Display in degree (for example 32.655°) and degree/minute/second (for example 32°39'30")
- SET button: preset the reading, change measuring direction
- MODE button: choose 0~90°, 0~180° or 0~360° display
- ZERO/ON/OFF button: zero and power on/off
- Battery CR2032, automatic power off
- Data output
- Supplied with square to set 90°
- Made of stainless steel
- Optional accessory: data output cable (code 7315-50, 7302-SPC3B), clamp (code 2372-CLAMP), suitable for height gages 1156, 1150-300, 1351, 1151 and 1250



Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2172-360A	0-360°	10"/0.005°	±5'	23694	19216

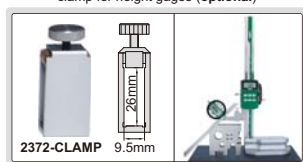
DIGITAL PROTRACTOR (BASIC TYPE)

ABSOLUTE ZERO

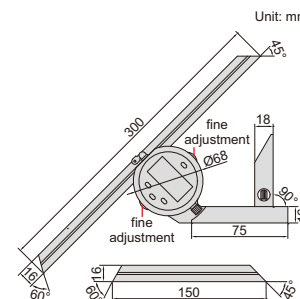
DATA OUTPUT

150mm blade (included)

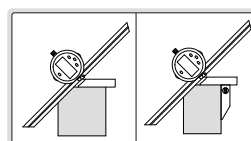
clamp for height gages (optional)



POPULAR MODEL



- Absolute zero, zero setting is not needed when batteries are replaced
- Button function: choose 0~90°, 0-180° or 0-360° display, change resolution, display flips over, data hold, zero, on/off supplementary angle measurement
- Battery CR2032, automatic power off
- Data output
- Made of stainless steel
- Optional square for zero setting
- Optional accessory: clamp (code 2372-CLAMP), suitable for height gages 1156, 1150-300, 1351, 1250 and 1151, data output cable (code 7315-2771, 7302-50M)



square (optional)



Square (for zero setting, optional)

Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2771-360	0-360°	1'/0.01°	±5'	15471	12686

Code	List Price (₹)	Promotion Price (₹)
2771-S90	1039	935

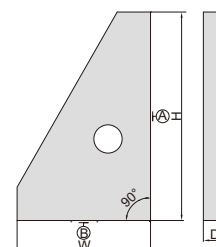
GRANITE SQUARES

CUSTOM-MADE
SUPPLY SPECIAL SIZES ACCORDING
TO CUSTOMER'S REQUEST

Code	Size (HxW)	Flatness of A	Flatness of B	Squareness of A to B	D	List Price (₹)	Promotion Price (₹)
4141-250	250x160mm	1µm	1µm	2µm	25mm	25860	23274
4141-400	400x250mm	1.5µm	1µm	3µm	40mm	35294	31765



4141-250



PERPENDICULARITY TESTERS



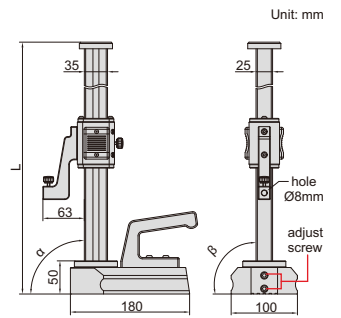
- Optional accessory: dial test indicators (graduation: 1µm or 2µm)



dial test indicator is optional



4770-300

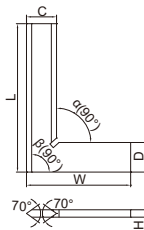


Code	Range (H)	Perpendicularity (α)	Side perpendicularity (β)	L	List Price (₹)	Promotion Price (₹)
4770-300	0-300mm	3µm	10µm	460	210932	192687
4770-600	0-600mm	5µm	20µm	760	432194	394810

90° BEVELED EDGE SQUARES



4790-0100



- Satin chrome plating
- Beveled edges for inside and outside measurement
- Made of hardened stainless steel

DIN875 grade 00

Code	Size (LxW)	Squareness		C	D	H	List Price (₹)	Promotion Price (₹)
		Inside (α)	Outside (β)					
4790-0100	100x70mm	2.8µm	3.0µm	20	20	5	2846	2487
4790-0150	150x100mm	3.2µm	3.5µm	30	30	6	4979	4344

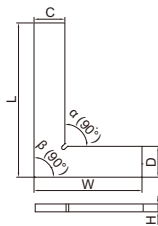
DIN875 grade 0

Code	Size (LxW)	Squareness		C	D	H	List Price (₹)	Promotion Price (₹)
		Inside (α)	Outside (β)					
4790-500	50x40mm	6µm	6µm	13	13	4	1999	1939
4790-750	75x50mm	6µm	7µm	15	15	4	2162	2097
4790-1000	100x70mm	7µm	7µm	20	20	5	2465	2391
4790-1500	150x100mm	7µm	8µm	30	30	6	4489	4354
4790-2000	200x130mm	8µm	9µm	34	34	7	5700	5529

90° FLAT EDGE SQUARES



4791-1001



- DIN875 grade 1
- Made of hardened stainless steel

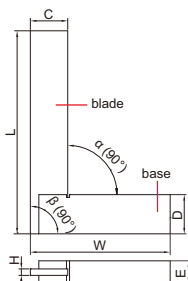
Code	Size (LxW)	Squareness		C	D	H	List Price (₹)	Promotion Price (₹)
		Inside (α)	Outside (β)					
4791-501	50x40mm	12µm	13µm	15	15	4	711	637
4791-751	75x50mm	13µm	14µm	15	15	4	880	789
4791-1001	100x70mm	14µm	15µm	20	20	5	959	877
4791-1501	150x100mm	16µm	18µm	30	30	6	1215	1111
4791-2001	200x130mm	19µm	20µm	30	30	6	1962	1795

MACHINIST SQUARES WITH WIDE BASE (ECONOMIC TYPE)

ATTENTION: NO ANTI-RUST TREATMENT, NOT HARDEND



4707-100



- DIN875 grade 2
- Made of carbon steel, no anti-rust treatment, not hardend

Code	Size (LxW)	Squareness		C	D	H	E	List Price (₹)	Promotion Price (₹)
		Inside (α)	Outside (β)						
4707-50	50x40mm	24µm	25µm	16	12	3	9	803	677
4707-100	100x70mm	28µm	30µm	19	19	3	12	937	853
4707-150	150x100mm	33µm	35µm	25	25	3	16	1283	1169
4707-250	250x165mm	42µm	45µm	30	32	4	19	1743	1588
4707-300	300x200mm	47µm	50µm	32	32	4	19	3204	2928
4707-400	400x250mm	56µm	60µm	38	38	5	22	4701	4313

TRY SQUARE

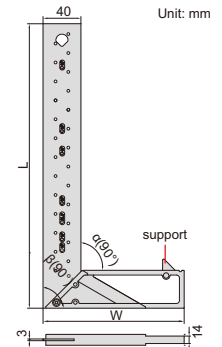
POPULAR MODEL

- Graduation: 1mm
- Aluminum blade and base
- 4 milled surfaces
- Retractable metal ledge support
- Etchings and holes for beveling and framing: 10°, 15°, 22.5°, 30°, 45°, 50° and 60°
- Etchings and holes every cm for fluid pencil marking

Code	Size (LxW)	Squareness		List Price (₹)	Promotion Price (₹)
		Inside (α)	Outside (β)		
2280-300	300x150mm	0.5mm	0.5mm	1582	1424

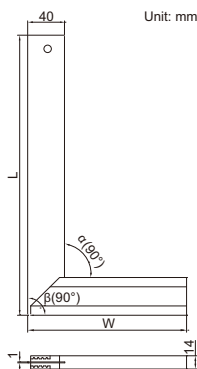


2280-300



Unit: mm

TRY SQUARE



Unit: mm

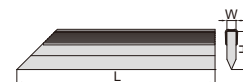


2275-300

- Graduation: 1mm
- Stainless steel blade, aluminum base

Code	Size (LxW)	Squareness		List Price (₹)	Promotion Price (₹)
		Inside (α)	Outside (β)		
2275-300	300x170mm	0.5mm	0.5mm	562	506

STRAIGHT EDGES



4700-100

- DIN874
- Beveled edge
- Made of hardened stainless steel
- Satin chrome plating

(mm)

Code	Size (L)	Straightness	W	H	List Price (₹)	Promotion Price (₹)
4700-50	50mm	2.2μm	5	20	1325	1210
4700-75	75mm	2.3μm	5	25	1427	1304
4700-100	100mm	2.4μm	5	25	1630	1489
4700-125	125mm	2.5μm	6	30	1773	1620
4700-150	150mm	2.6μm	6	30	2501	2285
4700-200	200mm	2.8μm	6	30	2938	2684
4700-250	250mm	3.0μm	8	40	4343	3968
4700-300	300mm	3.2μm	8	40	5585	5101
4700-400	400mm	3.6μm	10	50	8999	8220
4700-500	500mm	4.0μm	10	50	12937	11818

45° SQUARES

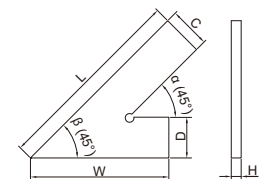
- Made of hardened stainless steel

Code	Size (LxW)	Squareness		C	D	H	List Price (₹)	Promotion Price (₹)
		Inside (α)	Outside (β)					
4745-1120	120x80mm	29μm	32μm	20	20	5	1543	1497
4745-1150	150x100mm	32μm	35μm	20	20	5	2107	2044
4745-1200	200x130mm	36μm	40μm	25	25	5	2838	2753

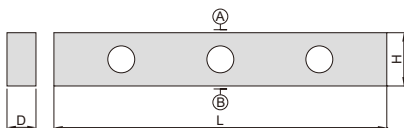
(mm)



4745-1120



GRANITE STRAIGHT EDGES

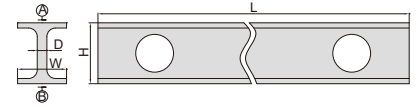


4147-500A

Code	Length (L)	Flatness of A and B	Parallelism between A and B	D	H	List Price (₹)	Promotion Price (₹)
4147-500A	500mm	2.1μm	3.2μm	50mm	80mm	24935	22442
4147-1000A	1000mm	3.0μm	4.5μm	60mm	120mm	54396	48956

MAGNALIUM STRAIGHT EDGES

LIGHT WEIGHT



- Made of magnalium, light weight, non-deform, no rusty

4180-1500

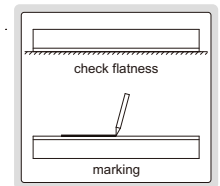
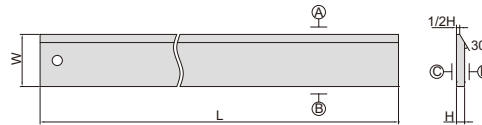
Code	Length (L)	Flatness of A and B	Parallelism between A and B	H	W	D	Weight	List Price (₹)	Promotion Price (₹)
4180-500	500mm	3µm	4µm	60	30	5	1kg	15838	13916
4180-1000	1000mm	5µm	8µm	60	30	5	1.5kg	33220	29188
4180-1500	1500mm	15µm	22µm	100	40	7	4.5kg	45437	39918
4180-2000	2000mm	18µm	27µm	100	40	7	6kg	60921	53498
4180-2500	2500mm	22µm	33µm	100	40	7	7.5kg	97827	88044
4180-3000	3000mm	48µm	72µm	150	80	8	21kg	114363	102927

(mm)

PRECISION STRAIGHT EDGES WITH BEVELED EDGE



7118-300



- Check flatness and for marking
- Made of tool steel

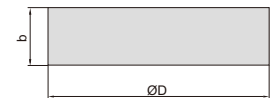
Code	Range (L)	Flatness of A and B	Flatness of C and D	W	H	List Price (₹)	Promotion Price (₹)
7118-300	305mm	0.005mm	0.05mm	41mm	6.3mm	8522	8266
7118-600	610mm	0.006mm	0.06mm	51mm	7.9mm	29313	28434
7118-900	914mm	0.007mm	0.06mm	64mm	9.5mm	58332	56582

OPTICAL FLATS

Code	b	ØD	Flatness	List Price (₹)	Promotion Price (₹)
4191-45A	12mm	45mm	0.03µm	15640	14076
4191-60A	15mm	60mm	0.03µm	22483	20235



4191-45B



Code	b	ØD	Flatness	List Price (₹)	Promotion Price (₹)
4191-45B	12mm	45mm	0.1µm	14808	14068
4191-60B	15mm	60mm	0.1µm	21225	19103

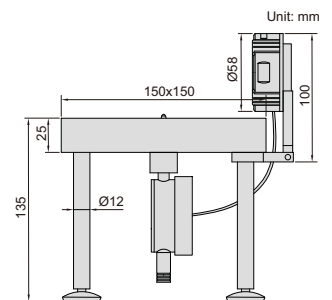
- Check flatness
- Single working face, the arrow indicates the working face

FLATNESS MEASUREMENT STAND



DATA OUTPUT

GRANITE PLATE CAN BE CUSTOMIZED ACCORDING TO WORKPIECES



- Optional accessory: data output cable (code 7315-50M, 7302-40M, 7305-40M)

6852-150

Code	Digital indicator resolution	Flatness measurement accuracy	Flatness of granite plate	List Price (₹)	Promotion Price (₹)
6852-150	0.001mm/0.00005"	2µm	2µm	53914	48523

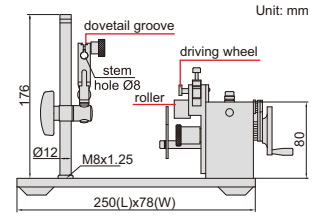


Concentricity Gages
Page 111-112

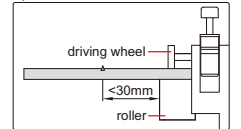


Bench Centers
Page 112

CONCENTRICITY GAGE



to ensure the accuracy 2µm, the distance between measuring point and roller should be <30mm

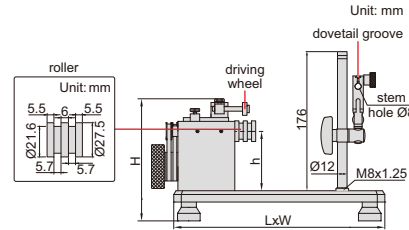


Code	Accuracy	List Price (₹)	Promotion Price (₹)
4789-1	2µm	76068	69488

- Applicable diameter: Ø3.5mm-25mm
- Optional accessory: dial test indicator

CONCENTRICITY GAGE

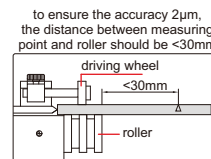
dial test indicator is optional



HIGH STABILITY, LONG WORKING LIFE

- With ball bearing, high stability, long working life
- Accuracy: 2µm
- Diameter range: 3-45mm
- Center height (h): 80mm
- Optional accessory: dial test indicator

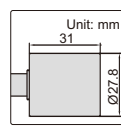
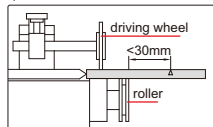
Code	LxWxH	Weight	List Price (₹)	Promotion Price (₹)
4725-45	280x130x170mm	6kg	84170	81645



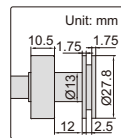
CONCENTRICITY GAGES

QUICK-POSITIONING, SUITABLE FOR MASS MEASUREMENT

to ensure the accuracy 2µm, the distance between measuring point and roller should be <30mm

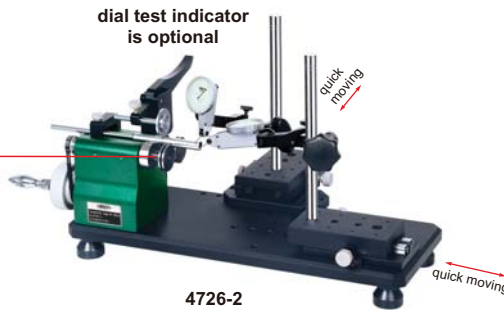


4726-1



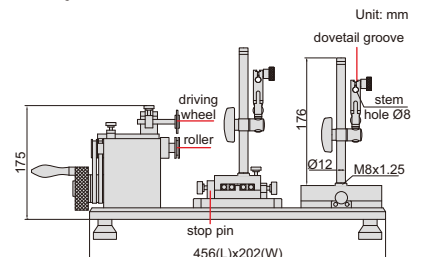
4726-2

dial test indicator is optional



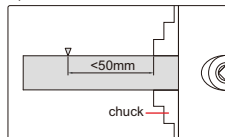
- With ball bearing, high stability, long working life
- Accuracy: 2µm
- Optional accessory: dial test indicator

Code	Applicable diameter	List Price (₹)	Promotion Price (₹)
4726-1	Ø4-40mm	224924	202432
4726-2	Ø2-40mm	230231	207208



CONCENTRICITY GAGE

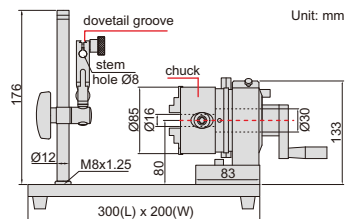
to ensure the accuracy 3µm, the distance between measuring point and roller should be <50mm



- Accuracy: 3µm
- Ø50mm setting ring and Ø55mm calibration cylinder are included
- Optional accessory: dial test indicator



4786-1



for tube



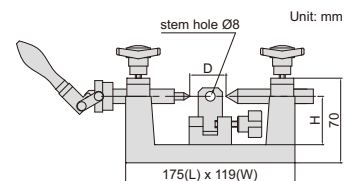
Code	Applicable inside diameter	Applicable outside diameter	List Price (₹)	Promotion Price (₹)
4786-1	Ø24-64mm	Ø2-70mm	204636	198497

MINI BENCH CENTER

- Distance between two centers (D): 35-100mm
- Diameter of center (Ød): 6mm
- Taper of center: MT1



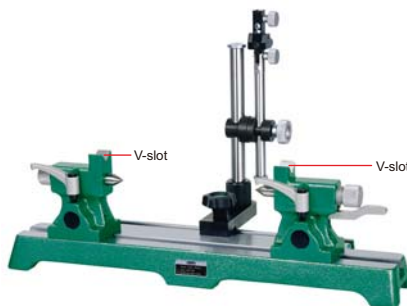
4721-75A



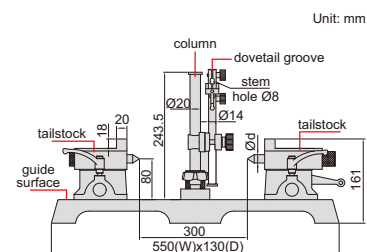
Code	Runout accuracy	Center height (H)	Weight	Load	List Price (₹)	Promotion Price (₹)
4721-75A	2µm	40mm	4.5kg	4kg	91963	82767

BENCH CENTER (BASIC TYPE)

- Runout accuracy: 2µm
- Distance between two centers: 300mm
- Taper of center: MT1
- Hardened cast-iron guide surface
- Movable column
- V-slot for cylinder Ø4~Ø22mm



4782-300

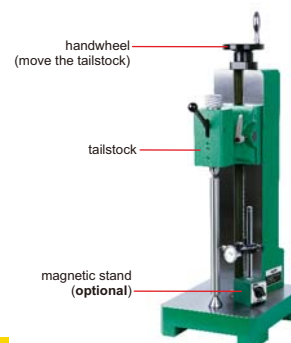
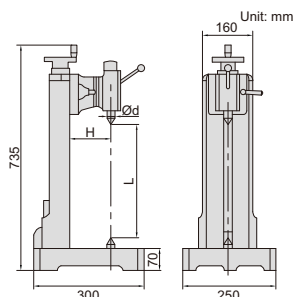


Code	Parallelism *	Center height	Diameter of center (Ød)	Load	List Price (₹)	Promotion Price (₹)
4782-300	0.01mm	80mm	Ø16mm	25kg	112549	109173

*Parallelism of two centers to the guide surface

VERTICAL BENCH CENTER

- Runout accuracy: 2µm
- Distance between two centers (L): 360mm
- Diameter of center (Ød): 24.1mm
- Taper of center: MT3
- Hardened cast-iron guide surface
- Use handwheel to move the tailstock
- Optional accessory: magnetic stands, dial test indicators



4728-360

Code	Parallelism *	Center height (H)	Weight	Load	List Price (₹)	Promotion Price (₹)
4728-360	0.01mm	130mm	85kg	80kg	ON REQUEST	ON REQUEST

*Parallelism of two centers to the guide surface

15

SIMPLE MEASURING TOOLS



Feeler Gages
Page 115-116



Pitch Gages
Page 116



Center Gages
Page 117



Thread Gages
Page 117



Angle Gages
Page 117



Radius Gages
Page 118



Drill Gages
Page 118



Angle Gages
Page 118



Wire Gages
Page 119



Thickness Gages
Page 119



Taper Slot Gages
Page 120



Taper Gages
Page 120



Taper Bore Gages
Page 121



Welding Gages
Page 121



Fillet Welding Gages
Page 122/125



Welding Gages
Page 122-124



Pipe Welding Gages
Page 125



Inside/Outside Calipers
Page 126



Dividers
Page 126



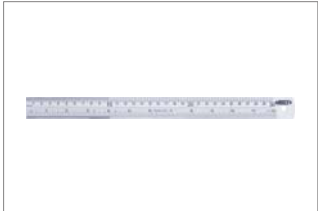
Measuring Rolls
Page 127



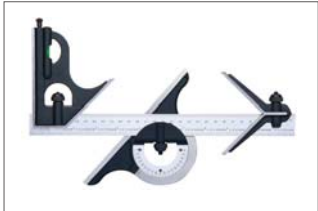
Measuring Wheels
Page 127



Digital Measuring Wheels
Page 127



Steel Rules
Page 128



Combination Squares
Page 129



T-bevels
Page 129



Plastic Angle Squares
Page 129



Marking Gages
Page 130



Center Marking Gages
Page 130



Scribing Calipers
Page 130-131



Height Scribes
Page 131



Scribers
Page 131



Precision Screwdriver Sets
Page 131



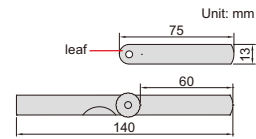
Measuring Tool Sets
Page 131

FEELER GAGE

- Range: 0.04-1.00mm
- Made of hardened alloy steel
- Meet DIN2275/grade TC1
- Accuracy: $\pm(3+T/80)$ μm ,
'T' is the thickness of leaves in μm



4601-25



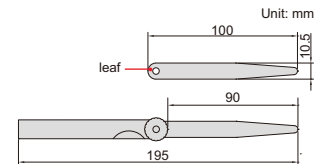
Code	Thickness of leaves included (mm)	Quantity of leaves	List Price (₹)	Promotion Price (₹)
4601-25	0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	25	386	347

FEELER GAGES

- Made of hardened alloy steel
- Meet DIN2275/grade TC1
- Accuracy: $\pm(3+T/80)$ μm ,
'T' is the thickness of leaves in μm



4602-20



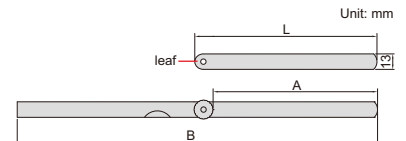
Code	Range	Thickness of leaves included (mm)	Quantity of leaves	List Price (₹)	Promotion Price (₹)
4602-13A	0.03-0.50mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.30, 0.40, 0.50	13	339	305
4602-13	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00	13	287	258
4602-17	0.02-1.00mm	0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.75, 1.00	17	362	311
4602-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	389	377
4602-28	0.05-1.00mm	0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.11, 0.12, 0.13, 0.14, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	28	543	489
4602-32	0.03-1.00mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.13, 0.15, 0.18, 0.20, 0.23, 0.25, 0.28, 0.30, 0.33, 0.35, 0.38, 0.40, 0.45, 0.50, 0.55, 0.60, 0.63, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 1.00	32	554	421

LONG FEELER GAGES

- Range: 0.05-1.00mm
- Made of hardened alloy steel
- Meet DIN2275/grade TC1
- Accuracy: $\pm(3+T/80)$ μm ,
'T' is the thickness of leaves in μm



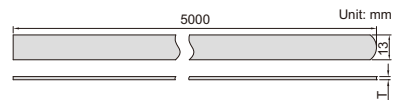
4605-20



Code	Thickness of leaves included (mm)	Quantity of leaves	L	A	B	List Price (₹)	Promotion Price (₹)
4605-13	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40	13	150mm	135mm	295mm	528	475
4605-131	0.50, 0.60, 0.70, 0.80, 0.90, 1.00	13	200mm	185mm	395mm	553	498
4605-132		13	300mm	285mm	590mm	895	806
4605-20	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35	20	150mm	135mm	295mm	693	554
4605-201	0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70	20	200mm	185mm	395mm	737	663
4605-202	0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	300mm	285mm	590mm	1254	1003

FEELER GAGE ROLLS

- Used as shims to accurately set spacing
- Made of hardened alloy steel
- Length 5m
- Width 13mm



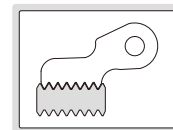
4621-30

Code	Thickness (T)	Accuracy	List Price (₹)	Promotion Price (₹)
4621-02	0.02mm	±4µm	891	864
4621-03	0.03mm	±4µm	702	681
4621-04	0.04mm	±4µm	702	681
4621-05	0.05mm	±4µm	515	500
4621-06	0.06mm	±4µm	515	500
4621-07	0.07mm	±5µm	515	500
4621-08	0.08mm	±5µm	515	500
4621-09	0.09mm	±5µm	515	500
4621-10	0.10mm	±5µm	515	500
4621-12	0.12mm	±5µm	608	590
4621-15	0.15mm	±6µm	515	500
4621-18	0.18mm	±7µm	608	590
4621-20	0.20mm	±8µm	515	500
4621-25	0.25mm	±9µm	560	543

Code	Thickness (T)	Accuracy	List Price (₹)	Promotion Price (₹)
4621-30	0.30mm	±9µm	974	841
4621-35	0.35mm	±11µm	931	903
4621-40	0.40mm	±12µm	981	952
4621-45	0.45mm	±12µm	981	952
4621-50	0.50mm	±14µm	981	952
4621-55	0.55mm	±14µm	1082	1050
4621-60	0.60mm	±14µm	1082	1050
4621-65	0.65mm	±14µm	1082	1050
4621-70	0.70mm	±17µm	1082	1050
4621-75	0.75mm	±17µm	1132	1098
4621-80	0.80mm	±19µm	1132	1098
4621-85	0.85mm	±19µm	1132	1098
4621-90	0.90mm	±22µm	1132	1098
4621-95	0.95mm	±22µm	1132	1098
4621-100	1.00mm	±24µm	1102	1069

PITCH GAGES

- Identify the pitch of screw thread
- Made of medium carbon steel



4820-452

Metric 60° and Whitworth 55° screw

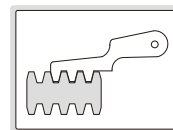
Code	Range	Pitch of leaves included	Quantity of leaves	List Price (₹)	Promotion Price (₹)
4820-452	0.25-6mm	0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6mm	52	927	630
	4-62TPI	4, 4-1/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62TPI			

Metric 60° and Unified 60° screw

Code	Range	Pitch of leaves included	Quantity of leaves	List Price (₹)	Promotion Price (₹)
4820-552	0.4-7mm	0.4, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	52	800	566
	4-42TPI	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI			

PITCH GAGE

- Accuracy: ±0.07mm
- Check the pitch of screw thread
- Made of medium carbon steel

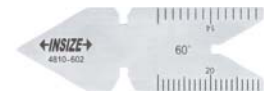
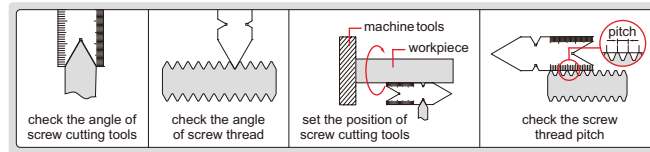


4824-12

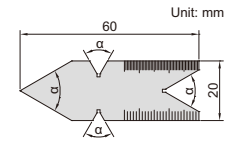
Code	Range	Thread type	Pitch of leaves included	Quantity of leaves	List Price (₹)	Promotion Price (₹)
4824-12	2-20mm	Tr30°	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 16, 20mm	12	2102	1892

CENTER GAGES

- To check and set screw cutting tools, and check the angle and pitch of screw thread
- Angle accuracy: $\pm 30\text{min}$
- Made of stainless steel



4810-602



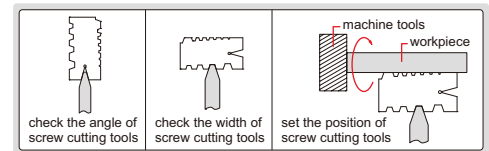
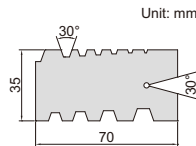
Code	Thread type	Angle (α)	Graduation	List Price (₹)	Promotion Price (₹)
4810-601	METRIC 60°	60°	0.5mm and 1mm	272	245
4810-602	UNIFIED 60°	60°	14ths and 20ths on front side, 24ths and 32ths on back side	314	286

THREAD GAGE

- Pitch: 2, 3, 4, 5, 6, 7, 8, 9, 10, 12mm
- To check and set screw cutting tools
- Made of medium carbon steel



4812-12



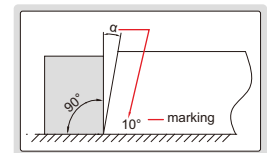
Code	Range	Thread type	List Price (₹)	Promotion Price (₹)
4812-12	2-12mm	Tr 30°	1185	1067

ANGLE GAGE

- Accuracy: $\pm 30'$
- To check complementary angles
- Made of stainless steel

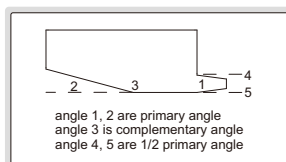


4806-20

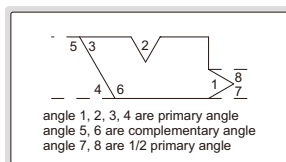


Code	Range (α)	Angle of leaves included	Quantity of leaves	List Price (₹)	Promotion Price (₹)
4806-20	1°-45°	1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°, 9°, 10°, 12°, 14°, 16°, 18°, 20°, 25°, 30°, 35°, 40°, 45°	20	2353	2118

ANGLE GAGE SET



type A



type B



4807

- Each blade checks primary, 1/2 primary and complementary angles
- Made of medium carbon steel

Code	Quantity of leaves	Accuracy	List Price (₹)	Promotion Price (₹)
4807	18	$\pm 10'$	2364	2293

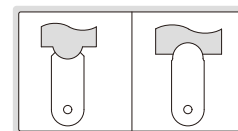
Primary angle	1/2 primary angle	Complementary angle	Type
5°	2°30'	175°	A
10°	5°	170°	A
15°	7°30'	165°	A
20°	10°	160°	B
25°	12°30'	155°	B
30°	15°	150°	B
35°	17°30'	145°	B
40°	20°	140°	B
45°	22°30'	135°	B
50°	25°	130°	B
55°	27°30'	125°	B
60°	30°	120°	B
65°	32°30'	115°	B
70°	35°	110°	B
75°	37°30'	105°	B
80°	40°	100°	B
85°	42°30'	95°	B
90°	45°	90°	B

RADIUS GAGES

- Made of medium carbon steel



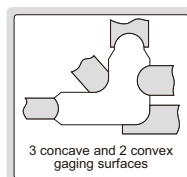
4801-17



Code	Range	Radius of leaves included (mm)	Quantity of leaves (internal+external)	List Price (₹)	Promotion Price (₹)
4801-17	1-7mm	1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7	17+17	883	673
4801-16	7.5-15mm	7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15	16+16	920	698
4801-15	15.5-25mm	15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 21, 22, 23, 24, 25	15+15	907	722

RADIUS GAGE SET

- Each piece has 3 concave and 2 convex gaging surfaces
- Supplied with handle
- Made of medium carbon steel

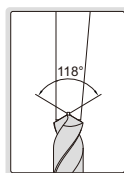
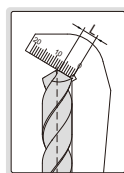


4804-26

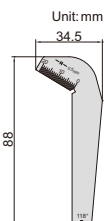


Code	Range	Radius of leaves included (mm)	Quantity of leaves	List Price (₹)	Promotion Price (₹)
4804-26	0.5-13mm	0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13	26	3160	2844

DRILL POINT GAGE



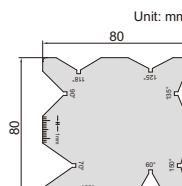
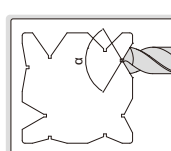
4843-1



- For twist drills with 118° angle, to check if the center of tip is concentric with the drill body
- Made of stainless steel

Code	Accuracy		List Price (₹)	Promotion Price (₹)
	Angle	Length		
4843-1	±0.5°	±0.5mm	443	387

DRILL ANGLE GAGE



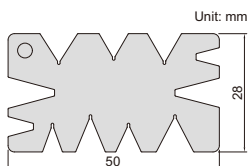
4842-1

- Check drills with angle 60°, 70°, 90°, 118°, 125°, 135°, 150° or 160°
- Made of stainless steel

Code	Accuracy	List Price (₹)	Promotion Price (₹)
4842-1	±0.5°	563	491

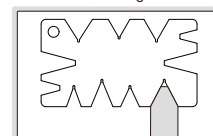
ANGLE GAGE

- Accuracy: ±10'
- Made of stainless steel



4854-1

check the angle of screw cutting tools



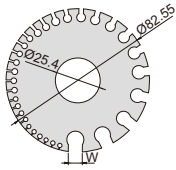
Code	Range	List Price (₹)	Promotion Price (₹)
4854-1	29°, 30°, 40°, 45°, 50°, 55°, 60°	1831	1422

U.S. STANDARD SHEET METAL GAGE



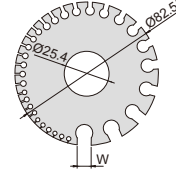
4809

Unit: mm



4808

Unit: mm



No.	W	No.	W
0	7.938mm/0.3125"	18	1.270mm/0.0500"
1	7.144mm/0.2813"	19	1.111mm/0.0438"
2	6.747mm/0.2656"	20	0.953mm/0.0375"
3	6.350mm/0.2500"	21	0.873mm/0.0344"
4	5.953mm/0.2344"	22	0.794mm/0.0313"
5	5.556mm/0.2188"	23	0.714mm/0.0281"
6	5.159mm/0.2031"	24	0.635mm/0.0250"
7	4.763mm/0.1875"	25	0.556mm/0.0219"
8	4.366mm/0.1719"	26	0.476mm/0.0188"
9	3.969mm/0.1563"	27	0.437mm/0.0172"
10	3.572mm/0.1406"	28	0.397mm/0.0156"
11	3.175mm/0.1250"	29	0.357mm/0.0141"
12	2.778mm/0.1094"	30	0.318mm/0.0125"
13	2.381mm/0.0938"	31	0.278mm/0.0109"
14	1.984mm/0.0781"	32	0.258mm/0.0102"
15	1.786mm/0.0703"	33	0.238mm/0.0094"
16	1.588mm/0.0625"	34	0.218mm/0.0086"
17	1.429mm/0.0563"	35	0.198mm/0.0078"
		36	0.179mm/0.0070"

- For gaging sheet metal, plate iron and steel
- Hardened to HRC50-57

Code	Range	List Price (₹)	Promotion Price (₹)
4809	0-36 (7.938-0.179mm/0.3125-0.0070")	1485	1250

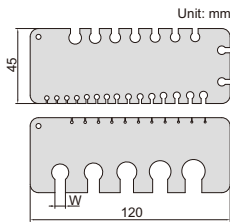
AMERICAN STANDARD WIRE GAGE

No.	W	No.	W
0	8.250mm/0.3249"	18	1.020mm/0.0403"
1	7.350mm/0.2893"	19	0.912mm/0.0359"
2	6.540mm/0.2576"	20	0.813mm/0.0320"
3	5.830mm/0.2294"	21	0.724mm/0.0285"
4	5.190mm/0.2043"	22	0.643mm/0.0253"
5	4.620mm/0.1819"	23	0.574mm/0.0226"
6	4.110mm/0.1620"	24	0.511mm/0.0201"
7	3.670mm/0.1443"	25	0.440mm/0.0179"
8	3.260mm/0.1285"	26	0.404mm/0.0159"
9	2.910mm/0.1144"	27	0.361mm/0.0142"
10	2.590mm/0.1019"	28	0.320mm/0.0126"
11	2.300mm/0.0907"	29	0.287mm/0.0113"
12	2.050mm/0.0808"	30	0.254mm/0.0100"
13	1.820mm/0.0720"	31	0.226mm/0.0089"
14	1.630mm/0.0641"	32	0.203mm/0.0080"
15	1.450mm/0.0571"	33	0.180mm/0.0071"
16	1.290mm/0.0508"	34	0.160mm/0.0063"
17	1.150mm/0.0453"	35	0.142mm/0.0056"
		36	0.127mm/0.0050"

- For gaging non-ferrous wire and metals such as copper, brass and aluminum
- Hardened to HRC50-57

Code	Range	List Price (₹)	Promotion Price (₹)
4808	0-36 (8.250-0.127mm/0.3249-0.0050")	1485	1250

WIRE GAGE



Unit: mm

- For gaging non-ferrous wire and metals such as copper, brass and aluminum
- Hardened to HRC51-53
- Including 2 pcs wire gages

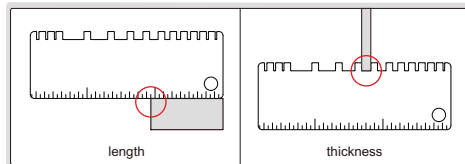


4803-1

Wire diameter (W)	Wire diameter (W)	Wire diameter (W)
0.200mm	0.900mm	3.55mm
0.224mm	1.000mm	3.75mm
0.250mm	1.120mm	4.00mm
0.280mm	1.250mm	4.25mm
0.315mm	1.400mm	4.50mm
0.355mm	1.500mm	5.00mm
0.400mm	1.60mm	5.60mm
0.450mm	1.80mm	6.30mm
0.500mm	2.00mm	7.10mm
0.560mm	2.24mm	8.00mm
0.630mm	2.50mm	9.00mm
0.710mm	2.80mm	10.00mm
0.750mm	3.00mm	
0.800mm	3.15mm	

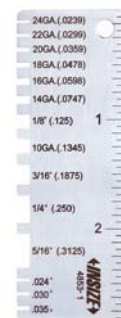
Code	Range	List Price (₹)	Promotion Price (₹)
4803-1	0.2-10mm	2936	2642

THICKNESS GAGE

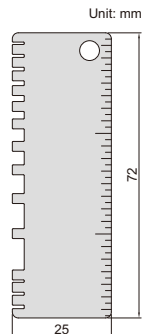


- Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4853-1	length	0-2 3/4"	1/16"	1/32"	1831	1422
	thickness	24GA.(0.0239"), 22GA.(0.0299"), 20GA.(0.0359")	—	±0.002"		
		18GA.(0.0478"), 16GA.(0.0598"), 14GA.(0.0747"), 1/8"(0.125"), 10GA.(0.1345"), 3/16"(0.1875"), 1/4"(0.250"), 5/16"(0.3125")		±0.004"		
		0.024", 0.030", 0.035"		±0.002"		



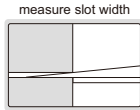
4853-1



Unit: mm

DIGITAL TAPER SLOT GAGES

- Non waterproof
- Measuring opening, slot width
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



DATA
OUTPUT

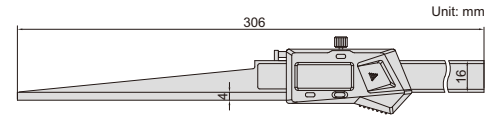
ATTENTION: ACTUAL SLOT
WIDTH IS 1/10 OF THE READING



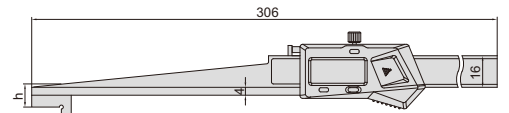
1160-10

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy	h	List Price (₹)	Promotion Price (₹)
1160-10	0.2-10mm/0.01-0.39"	±0.03mm	—	21397	19607
1160-20	10-20mm/0.39-0.79"	±0.05mm	10mm	28430	25587
1160-30	20-30mm/0.79-1.18"	±0.05mm	20mm	26030	23427
1160-40	30-40mm/1.18-1.58"	±0.05mm	30mm	26030	23427



1160-10 and 1106-10WL



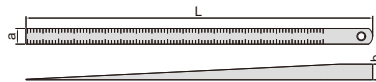
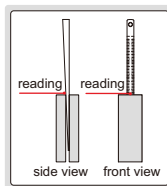
1160-20, 1160-20WL, 1160-30, 1160-30WL, 1160-40 and 1106-40WL

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	h	List Price (₹)	Promotion Price (₹)
1160-10WL	0.2-10mm/0.01-0.39"	±0.03mm	—	25149	23892
1160-20WL	10-20mm/0.39-0.79"	±0.05mm	10mm	27448	26075
1160-30WL	20-30mm/0.79-1.18"	±0.05mm	20mm	28579	27150
1160-40WL	30-40mm/1.18-1.58"	±0.05mm	30mm	28579	27150

TAPER SLOT GAGES

- For quick measurement of slot width
- Satin chrome plated reading surface
- Made of stainless steel



(mm)

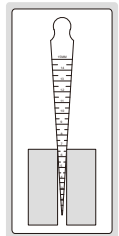


4630-1

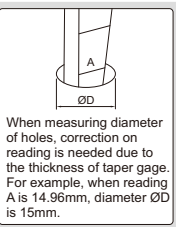
Code	Range	Graduation	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
4630-3	0.4-6mm	0.05mm	±0.04mm	164	12.5	6.5	2899	2648
4630-1	0.5-10mm	0.05mm	±0.07mm	220	10	10.5	2196	2006
4630-2	0.5-15mm	0.1mm	±0.08mm	184	12.5	16.5	3386	3082

TAPER GAGES

measure slot width



measure diameter of hole



When measuring diameter of holes, correction on reading is needed due to the thickness of taper gage. For example, when reading A is 14.96mm, diameter ØD is 15mm.



front back
4833-2

- Accuracy: ±0.05mm
- Graduation: 0.1mm
- Measure opening, slot width, hole diameter, etc.
- Diameter correction table on the back (only for 4833-1, 4833-2)
- Made of stainless steel

(mm)

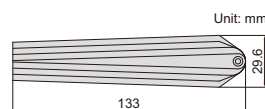
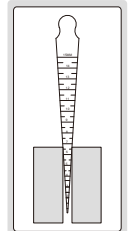
Code	Range	L	W	List Price (₹)	Promotion Price (₹)
4833-1	0.8-15mm	146	17	556	407
4833-2	15-30mm	159	30.4	586	512
4833-3	30-45mm	166	45.4	743	648
4833-4	45-60mm	170	60.5	1015	886

TAPER GAGE SET



front back
4837-1

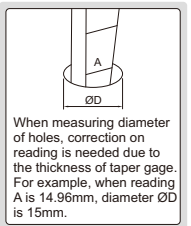
measure slot width



Unit: mm

- Accuracy: ±0.05mm
- Include 4 pcs (1-8mm, 8-15mm, 15-22mm, 22-29mm)
- Measure opening, slot width, hole diameter, etc.
- Diameter correction table on the back
- Made of stainless steel

measure diameter of hole



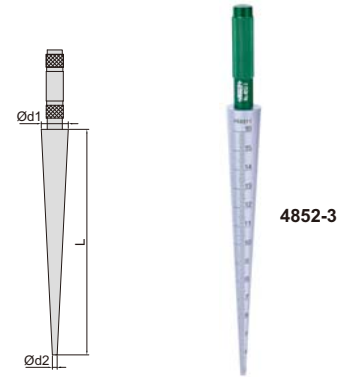
When measuring diameter of holes, correction on reading is needed due to the thickness of taper gage. For example, when reading A is 14.96mm, diameter ØD is 15mm.

Code	Range	Graduation	List Price (₹)	Promotion Price (₹)
4837-1	1-29mm	0.05mm	2131	1559

TAPER BORE GAGES

- Graduation: 0.1mm
- Accuracy: $\pm 0.05\text{mm}$
- Quick measurement of bore diameter
- Hardened steel, HRC50-58
- Satin chrome plated surface
- Aluminium oxidized handle

Code	Range	L	$\varnothing d1$	$\varnothing d2$	List Price (₹)	Promotion Price (₹)
4852-1	1-6.5mm	62.5	7	0.8	2736	2456
4852-3	3-16mm	143	17	2.8	3190	2766
4852-15	15-30mm	165	31	14.7	4902	4369
4852-30	30-45mm	165	46	29.6	5634	5465
4852-45	45-60mm	167	61	44.3	14981	13483



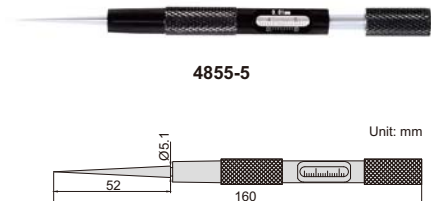
SMALL TAPER BORE GAGE

- Quick measurement of small bore diameter
- Hardened working face
- Supplied with protection cap

supplied with protection cap

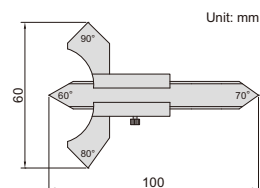


Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4855-5	0.1-5mm	0.01mm	$\pm 0.03\text{mm}$	11487	10493

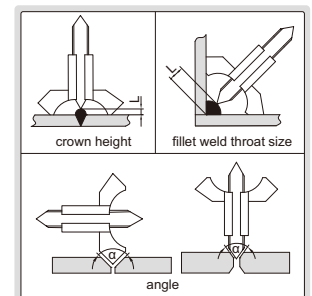


WELDING GAGE

- Made of stainless steel
- Satin chrome plated reading surface



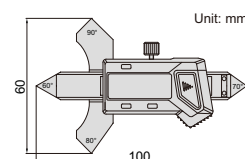
Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4830	crown height	0-8mm	0.1mm	$\pm 0.1\text{mm}$	1683	1495
	fillet weld throat size	0-20mm	0.1mm	$\pm 0.3\text{mm}$		
	angle	60°, 70°, 80°, 90°	—	$\pm 1^\circ$		



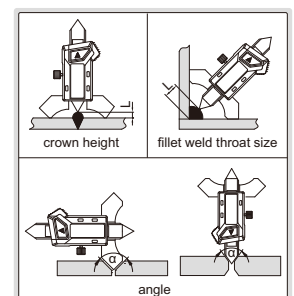
DIGITAL WELDING GAGE

ATTENTION: NO DATA OUTPUT

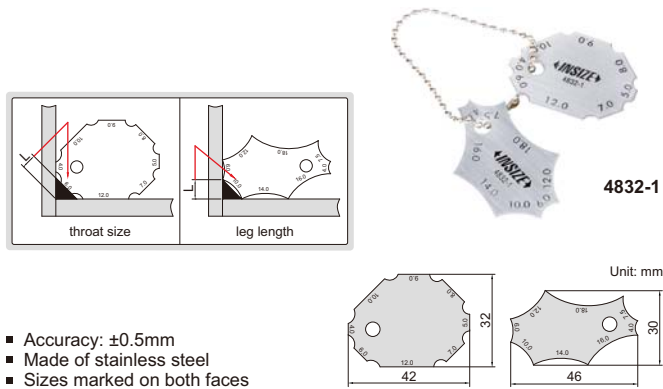
- Non waterproof
- Buttons: zero, mm/inch, on/off
- Battery LR44
- Made of stainless steel



Code	Measurement	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
4831-20A	crown height	0-7mm	0.01mm/0.0005"	$\pm 0.03\text{mm}$	6285	5422
	fillet weld throat size	0-20mm	0.01mm/0.0005"	$\pm 0.1\text{mm}$		
	angle	60°, 70°, 80°, 90°	—	$\pm 1^\circ$		



FILLET WELDING GAGE

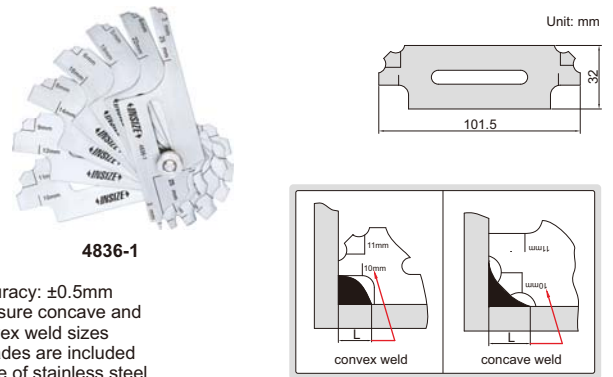


4832-1

- Accuracy: ± 0.5 mm
- Made of stainless steel
- Sizes marked on both faces

Code	Throat size	Leg length	List Price (₹)	Promotion Price (₹)
4832-1	4, 5, 6, 7, 8, 9, 10, 12mm	4, 6, 7.5, 10, 12, 14, 16, 18mm	683	466

FILLET WELDING GAGE



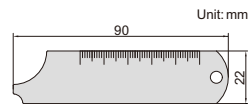
4836-1

- Accuracy: ± 0.5 mm
- Measure concave and convex weld sizes
- 7 blades are included
- Made of stainless steel

Code	Size (mm)	List Price (₹)	Promotion Price (₹)
4836-1	3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 16, 19, 22, 25	1650	1211

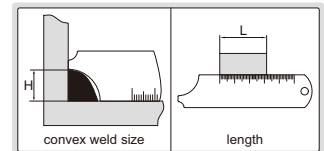
FILLET WELDING GAGE

- Measure convex weld sizes
- 3 blades are included
- Made of stainless steel



4847-1

Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4847-1	convex weld size	4, 6, 8, 10, 12, 14mm	—	± 0.5 mm	895	806
	length	0-50mm	1mm	± 0.5 mm		



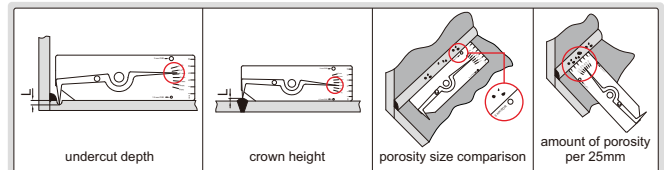
WELDING GAGE



4834-1

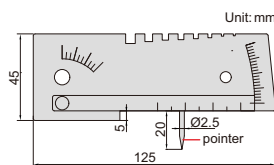
- Pointer can be locked for later reference
- Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4834-1	undercut depth	0-6mm	0.5mm	± 0.5 mm	1210	1075
	crown height	0-6mm	0.5mm	± 0.5 mm		
	porosity size comparison	1.5mm, 3mm	—	± 0.2 mm		
	amount of porosity per 25mm	25mm	1mm	—		



WELDING GAGE

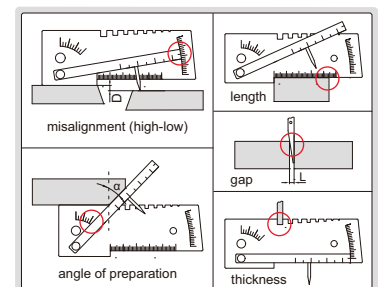
- Made of stainless steel



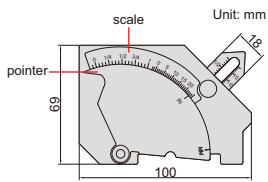
4848-1



Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4848-1	misalignment (high-low)	-5mm~+15mm	1mm	± 0.5 mm	1794	1615
	angle of preparation	0°-45°	5°	± 2.5 °		
	length	0-50mm	1mm	± 0.5 mm		
	gap	1-4mm	0.5mm	± 0.25 mm		
	thickness	1, 1.2, 2.0, 2.5, 3.0, 3.25, 4.0, 5.0mm	—	± 0.1 mm		



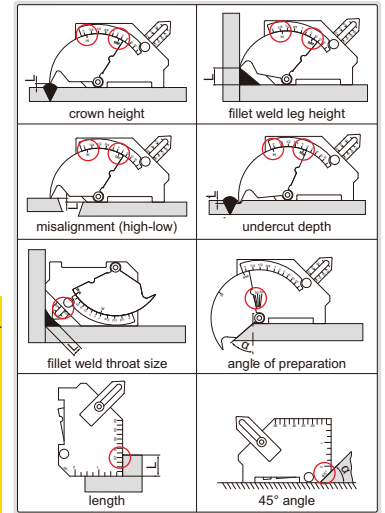
WELDING GAGE



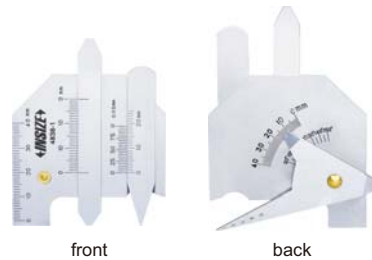
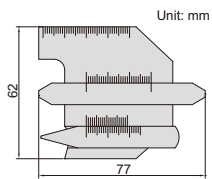
4835-1

- Adjustable scale to compensate pointer wear
- Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4835-1	crown height	0-25mm (0-1")	1mm (1/16")	±0.5mm	2279	1701
	fillet weld leg height	0-25mm (0-1")	1mm (1/16")	±0.5mm		
	misalignment (high-low)	0-25mm (0-1")	1mm (1/16")	±0.5mm		
	undercut depth	0-2mm (0-1/8")	1mm (1/16")	±0.5mm		
	fillet weld throat size	0-20mm (0-3/4")	1mm (1/16")	±0.5mm		
	angle of preparation	0-60°	5°	±1°		
	length	0-60mm (0-2")	1mm (1/16")	±0.5mm		
	45° angle	—	—	±1°		



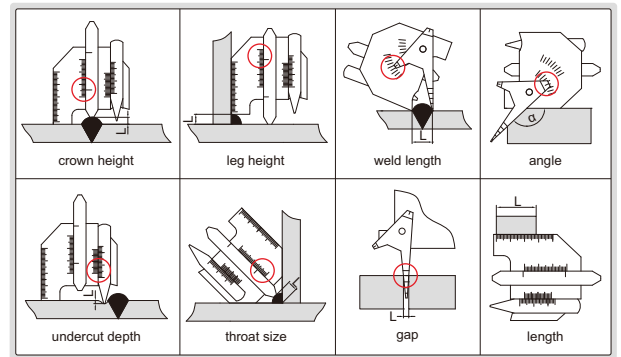
WELDING GAGE



4838-1

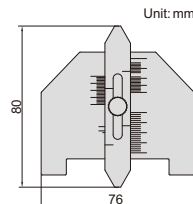
- Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4838-1	crown height	0-10mm	1mm	±0.5mm	2264	1852
	leg height	0-14mm	1mm	±0.5mm		
	undercut depth	0-5mm	0.05mm	±0.05mm		
	throat size	0-13mm	1mm	±0.5mm		
	weld length	0-40mm	1mm	±1mm		
	angle	90°-150°	5°	±1°		
	gap	0.5-5mm	1mm	±0.5mm		
	length	0-40mm	1mm	±0.5mm		



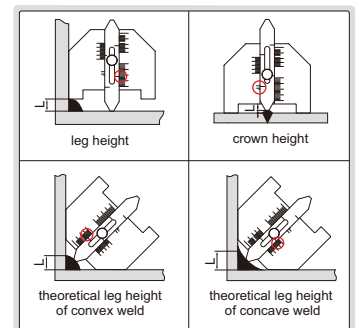
WELDING GAGE

- Accuracy: ±0.5mm
- Made of stainless steel

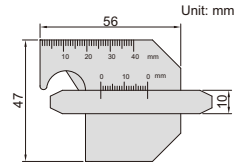


4851-1

Code	Measurement	Range	Graduation	List Price (₹)	Promotion Price (₹)
4851-1	leg height	0-20mm	1mm	1348	1231
	crown height	0-3mm	—		
	theoretical leg height of convex weld	0-20mm	1mm		
	theoretical leg height of concave weld	0-20mm	1mm		



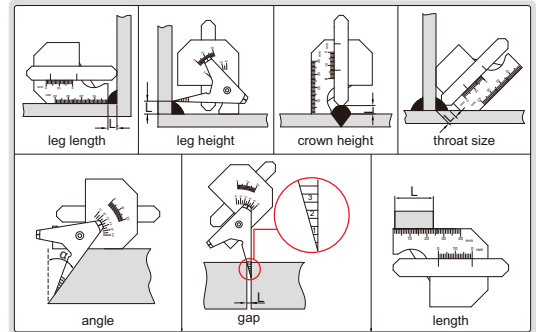
WELDING GAGE



- Made of stainless steel
- Satin chrome plated surface

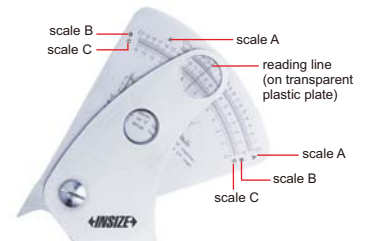
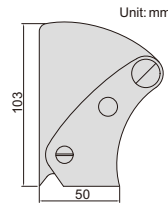
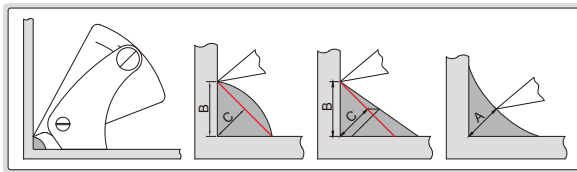
6832-1

Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
6832-1	leg length	0-20mm	1mm	±0.3mm	1561	1327
	leg height	0-20mm	1mm	±0.3mm		
	crown height	0-20mm	1mm	±0.3mm		
	throat size	0-10mm	1mm	±0.3mm		
	angle	0°-60°	5°	±1°		
	gap	1-3.5mm	0.5mm	±0.2mm		
	length	0-40mm	1mm	±0.3mm		



WELDING GAGE

- Made of stainless steel

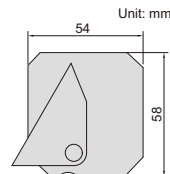


4840-1

Code	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4840-1	0.2mm	±0.3mm	2648	2383

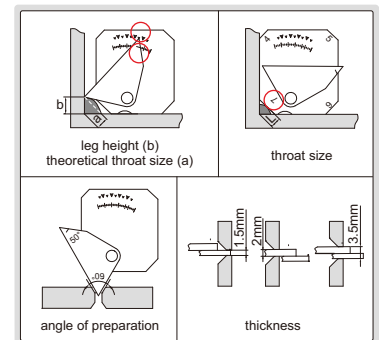
WELDING GAGE

- Made of stainless steel



4850-1

Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4850-1	leg height (b)	0-18mm	1mm	±0.5mm	1548	1084
	theoretical throat size (a)	2-12mm	1mm	±0.5mm		
	throat size	4, 5, 6, 7mm	—	±0.5mm		
	angle of preparation	50°, 60°	—	±1°		
	thickness	1.5, 2, 3.5mm	—	±0.2mm		

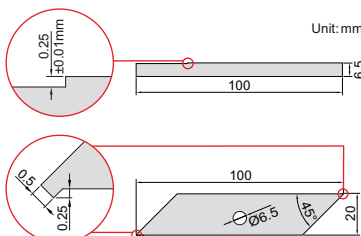


WELDING UNDERCUT GAGE

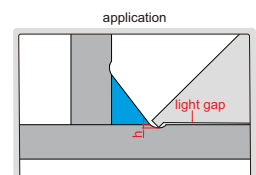


4849-1

- Measure undercut
- Calibration block is included
- Made of stainless steel



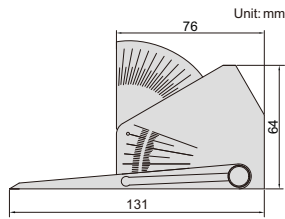
calibration block (included)



when there is a light gap, $h < 0.25\text{mm}$;
when there is no light gap, $h \geq 0.25\text{mm}$

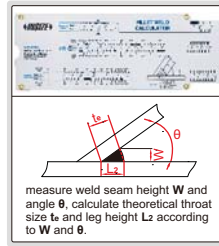
Code	List Price (₹)	Promotion Price (₹)
4849-1	7346	6611

FILLET WELDING GAGE

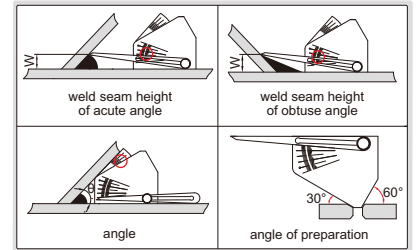


4846-1

calculating card (included)



- Calculating card is included
- Made of stainless steel

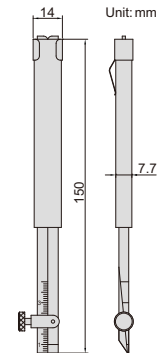
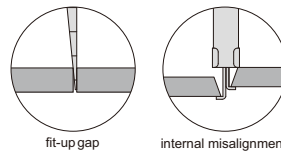


Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4846-1	weld seam height W	0-50mm/0-2"	2mm/.050"	±1mm	2973	2676
	angle θ	30°~90°	2.5°	±1°		
	60° angle	—	—	±0.5°		

PIPE WELDING GAGE

- Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4841-1	internal misalignment	0-30mm	1mm	±0.5mm	2710	2475
	fit-up gap	0.7-4mm	0.1mm	±0.1mm		



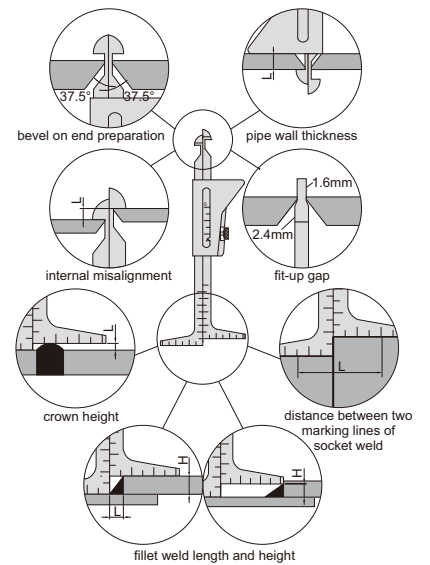
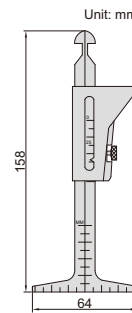
4841-1

PIPE WELDING GAGE

- Made of stainless steel



4839-1



Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4839-1	bevel on end preparation	37.5°	—	±1°	3284	2392
	pipe wall thickness	0-45mm (0-1-3/4")	1mm (1/16")	±0.5mm		
	internal misalignment	0-35mm (0-1-3/8")	1mm (1/32")	±0.5mm		
	fit-up gap	1.6mm, 2.4mm	—	±0.1mm		
	crown height	0-35mm (0-1-3/8")	1mm (1/32")	±0.5mm		
	distance between two marking lines of socket weld	0-60mm (0-2-3/8")	1mm (1/16")	±0.5mm		
	fillet weld length	0-30mm (0-1-1/4")	1mm (1/16")	±0.5mm		
	fillet weld height	0-35mm (0-1-3/8")	1mm (1/32")	±0.5mm		

6-PIECE WELDING GAGE SET

- Includes:
 - 1) Welding gage (code 4834-1)
 - 2) Fillet welding gage, size 3-25mm, 7 blades (code 4836-1)
 - 3) Pipe welding gage (code 4841-1)
 - 4) Telescoping inspection mirror, size of mirror Ø32mm, length 178-505mm (code 7160-1)
 - 5) Pocket rule with sliding clip, range 150mm/6", graduation 1mm, 1/64" (code 7119-150)
 - 6) LED flashlight (code ISGF-0501)



5064

Code	List Price (₹)	Promotion Price (₹)
5064	6276	5648

7-PIECE WELDING GAGE SET

- Includes:
 - 1) Welding gage (code 4834-1)
 - 2) Welding gage (code 4851-1)
 - 3) Pipe welding gage (code 4839-1)
 - 4) Outside micrometer, range 0-25mm, graduation 0.01mm (code 3203-25A)
 - 5) Telescoping inspection mirror, size of mirror Ø32mm, length 178-505mm (code 7160-1)
 - 6) Magnifier with illumination, magnification 4X (code 7513-4)
 - 7) Steel rule, range 150mm/6", graduation 0.5mm, 1mm, 1/64", 1/32", 1/16" (code 7110-150)



5071

Code	List Price (₹)	Promotion Price (₹)
5071	8140	7326

7-PIECE WELDING GAGE SET

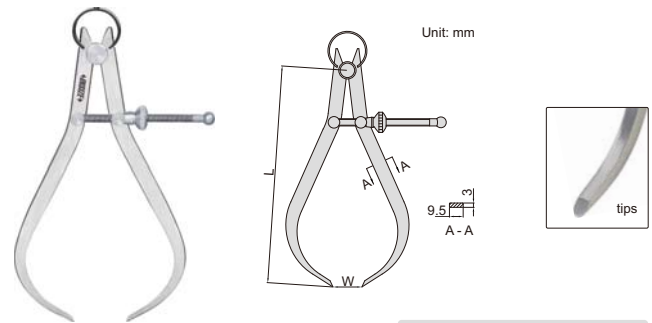
- Includes:
 - 1) Welding gage (code 4834-1)
 - 2) Welding gage (code 4851-1)
 - 3) Fillet welding gage, size 3-25mm, 7 blades (code 4836-1)
 - 4) Outside micrometer, range 0-25mm, graduation 0.01mm (code 3203-25A)
 - 5) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.005" (code 1108-150)
 - 6) Pocket rule with sliding clip, range 150mm/6", graduation 1mm, 1/64" (code 7119-150)
 - 7) Magnifier with illumination, magnification 4X (code 7513-4)



5072

Code	List Price (₹)	Promotion Price (₹)
5072	9063	8157

OUTSIDE SPRING CALIPERS

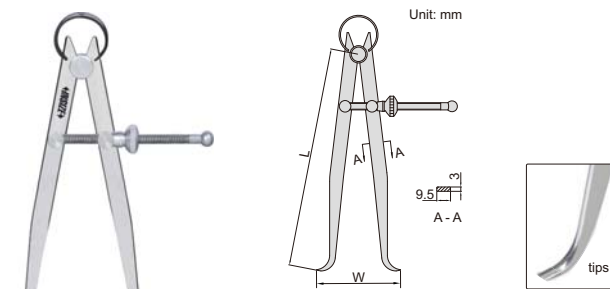


7262-150

- Made of carbon steel

Code	Size (L)	Range (W)	List Price (₹)	Promotion Price (₹)
7262-150	150mm	0-140mm	741	672
7262-200	210mm	0-210mm	882	785
7262-300	310mm	0-320mm	1438	1279

INSIDE SPRING CALIPERS

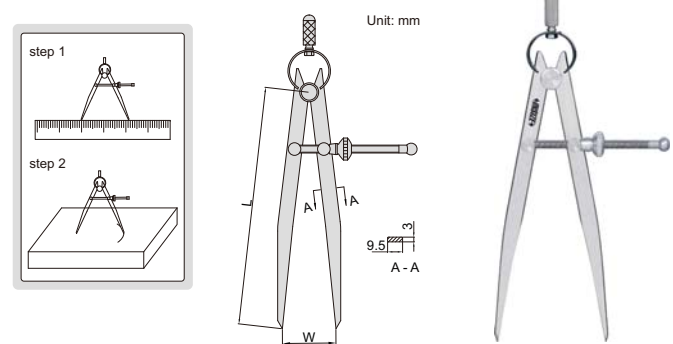


7261-150

- Made of carbon steel

Code	Size (L)	Range (W)	List Price (₹)	Promotion Price (₹)
7261-150	150mm	20-170mm	741	672
7261-200	200mm	22-220mm	882	785
7261-300	300mm	30-320mm	1335	1187

SPRING DIVIDERS



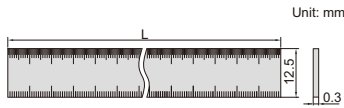
7260-150

- Made of carbon steel
- Hardened points

Code	Size (L)	Range (W)	List Price (₹)	Promotion Price (₹)
7260-150	150mm	0-150mm	741	672
7260-200	200mm	0-210mm	882	785
7260-300	300mm	0-320mm	1335	1187

SELF ADHESIVE MEASURING ROLLS

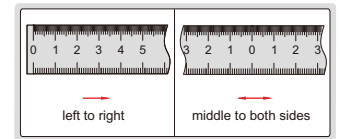
- Self adhesive back
- Steel tape, non-glare coating, wear resistance



7139-50



type of reading



Code	Range (L)	Graduation	Accuracy	Type of reading	List Price (₹)	Promotion Price (₹)
7139-50	50-0-50cm	1mm	±0.2mm	middle to both sides	398	318
7139-100	0-100cm	1mm	±0.4mm	left to right	398	318

DIGITAL MEASURING WHEEL

- IP40 dust/waterproof
- Measuring length of curve
- Four measurement modes: length, rectangle area, diameter of circle, cube
- Resolution: 0.001m/0.01ft
- Button function: on/off, mm/inch, one or two sides set, measurement mode conversion, measurement
- Battery CR2032, automatic power off

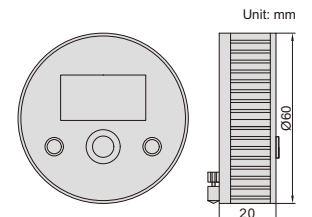


7146-10

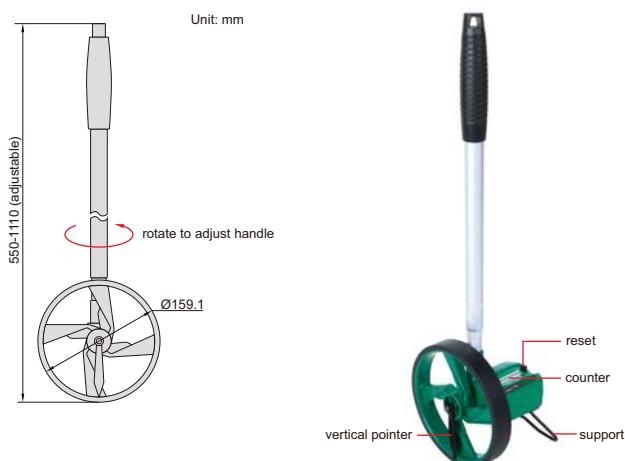
IP40
WATERPROOF



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
7146-10	0-10m/0-32.8ft	±0.3%L (L is the measured length)	1911	1745



MEASURING WHEEL (BASIC TYPE)

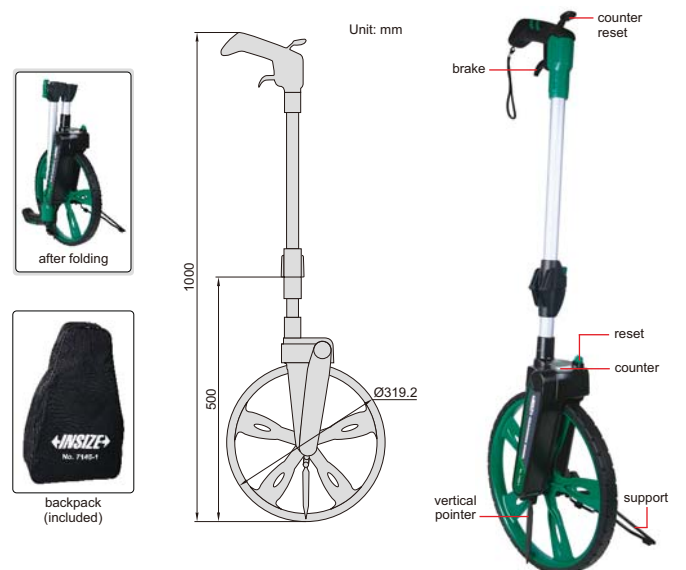


7144-1

- ABS plastic frame, wear-resistant PU tire
- Three-section adjustable handle

Code	Range	Resolution	List Price (₹)	Promotion Price (₹)
7144-1	0.1-9999.9m	0.1m	3615	3094

MEASURING WHEEL



7145-1

- ABS plastic frame, wear-resistant PU tire
- Two-section foldable handle

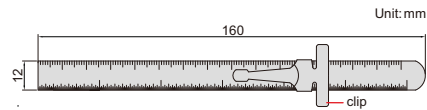
Code	Range	Resolution	List Price (₹)	Promotion Price (₹)
7145-1	0.1-9999.9m	0.1m	8177	6998

POCKET RULE WITH SLIDING CLIP

- Accuracy: $\pm 0.15\text{mm}$
- With sliding clip, clip can be inserted in the pocket, also can be used as depth gage base
- Inch/metric conversion table on the back
- Made of stainless steel



7119-150

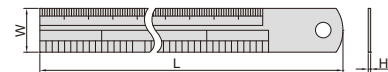


Code	Range	Graduation	List Price (₹)	Promotion Price (₹)
7119-150	150mm/6"	1mm, 1/64"	73	66

STEEL RULES



7110-300



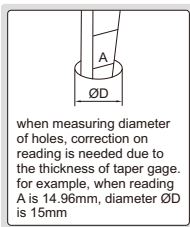
1 pc per package

Code	Range	Accuracy	L	W	H	Remark	List Price (₹)	Promotion Price (₹)
7110-150	150mm/6"	$\pm 0.18\text{mm}$	170	18	1.0	graduation on front and back	89	80
7110-200	200mm/8"	$\pm 0.18\text{mm}$	220	18	1.0	graduation on front and back	100	90
7110-300	300mm/12"	$\pm 0.27\text{mm}$	330	25	1.0	graduation on front and back	156	140
7110-3001	300mm/12"	$\pm 0.27\text{mm}$	325	30	1.0	graduation on front and back	195	176
7110-500	500mm/20"	$\pm 0.27\text{mm}$	530	30	1.2	graduation on front and back	326	293
7110-600	600mm/24"	$\pm 0.45\text{mm}$	630	30	1.2	graduation on front and back	367	330
7110-1000	1000mm/40"	$\pm 0.45\text{mm}$	1040	32	1.5	graduation on front and back	730	657
7110-1500	1500mm/60"	$\pm 0.63\text{mm}$	1550	38	1.8	graduation on front	1865	1679
7110-2000	2000mm/80"	$\pm 0.80\text{mm}$	2065	40	2.0	graduation on front	2757	2481

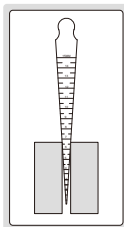
- Graduation: 0.5mm, 1mm, 1/64", 1/32", 1/16"
- Rigid rules
- Made of stainless steel
- Non-glare surface

TAPER GAGE AND STEEL RULER SET

use the taper gage to measure diameter of hole



use the taper gage to measure slot width



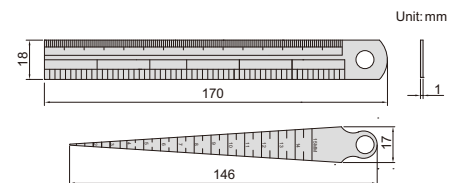
front

back

4829-1

- Diameter correction table on the taper gage back
- Made of stainless steel

Code	Tool	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4829-1	taper gage	0.8-15mm	0.1mm	$\pm 0.05\text{mm}$	560	504
	steel ruler	150mm/6"	1.0mm	$\pm 0.18\text{mm}$		



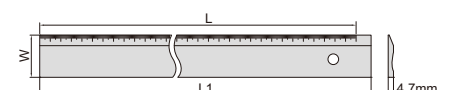
ALUMINUM RULES

- Graduation: 1mm
- Made of aluminum, oxidized surface

Code	Range (L)	Accuracy	L1	W	List Price (₹)	Promotion Price (₹)
7123-300	300mm	$\pm 0.5\text{mm}$	321mm	50mm	385	269
7123-600	600mm	$\pm 0.9\text{mm}$	624mm	50mm	541	379
7123-1000	1000mm	$\pm 0.9\text{mm}$	1024mm	50mm	1106	774



7123-300

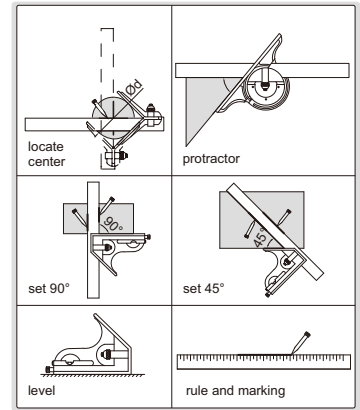
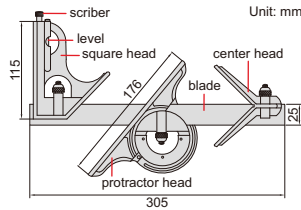


COMBINATION SQUARE SET

- Center head (made of cast iron): to locate center of cylinders with diameter (Ød): 30-100mm accuracy: ±0.15mm
- Protractor head (made of cast iron): set the blade at desired angle to an edge of a workpiece, and can be used to measure angles range: 0-180° accuracy: ±20min.
- Square head (made of cast iron): set the blade at 90° or 45° to an edge of a workpiece accuracy: ±8min for 90° square, ±10min for 45° square
- Blade (made of stainless steel): range: 300mm/12", graduation: 0.5mm and 1/32" on front face, 1mm and 1/64" on back face
- Optional accessory: rigid rule (code 7113)



2278-180

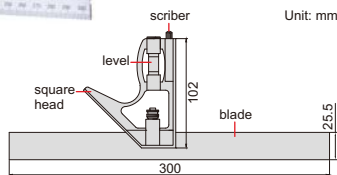


Code	Remark	List Price (₹)	Promotion Price (₹)
2278-180	4-piece set	6905	5673

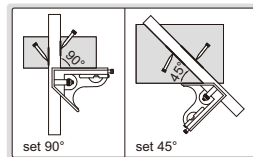
COMBINATION SQUARE (ECONOMIC TYPE)



2276-300



- Square head (made of zinc): set the blade at 90° or 45° to an edge of a workpiece accuracy: ±0.5°
- Blade (made of stainless steel): range: 300mm/12", graduation: 1mm and 1/32" on front face, 1mm and 1/16" on back face

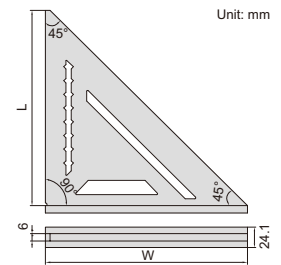


Code	List Price (₹)	Promotion Price (₹)
2276-300	557	529

PLASTIC ANGLE SQUARE



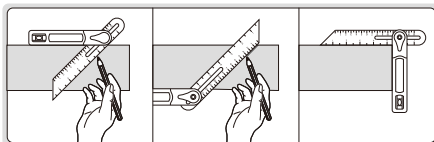
2282-180



- Length range: 0-7", graduation: 1/8"
- Angel range: 0-90°, graduation: 1°

Code	Size (L×W)	Accuracy of angle	List Price (₹)	Promotion Price (₹)
2282-180	180×185mm	±0.3°	377	339

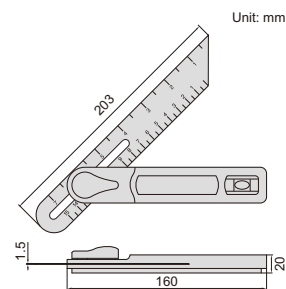
T-BEVEL



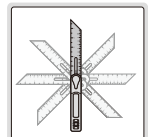
- Easy-to-read vial
- The blade can move and can be locked by the clamping screw
- Stainless steel blade
- Tough rubber handle
- Centimeter/inch graduations



2281-360

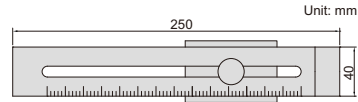


blade can rotate 360°



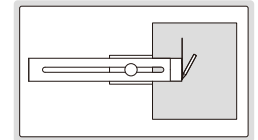
Code	Angle mark	Accuracy of angle	List Price (₹)	Promotion Price (₹)
2281-360	15°, 30°, 45°, 60°, 90°	±1°	838	754

MARKING GAGE



- Accuracy: $\pm 0.1\text{mm}$
- Made of carbon steel
- Satin chrome plated

7120-200A

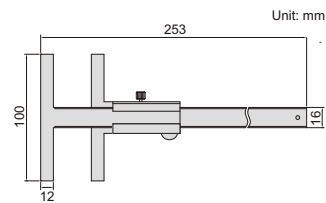
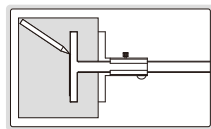


Code	Range	Graduation	List Price (₹)	Promotion Price (₹)
7120-200A	0-200mm	0.1mm	1693	1547

T-SHAPED MARKING GAGE



1275-150B



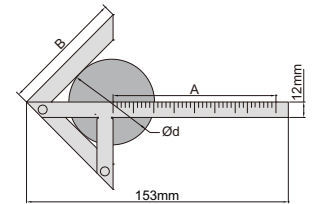
- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1275-150B	0-150mm	$\pm 0.04\text{mm}$	8078	6866

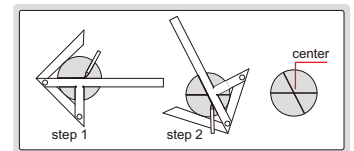
CENTER MARKING GAGE



7205-100



- Accuracy: $\pm 0.15\text{mm}$
- Diameter of shafts (Ød): 4-90mm
- Marking the center of round plates and shafts
- Made of stainless steel
- Satin chrome plated



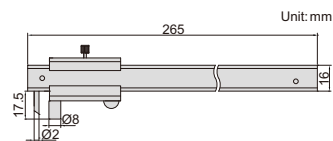
Code	Size (AxB)	List Price (₹)	Promotion Price (₹)
7205-100	100x70mm	3338	3171

SCRIBER CALIPER

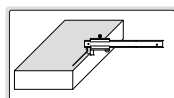


7202-200A

the position of scriber tip can be adjusted



- Accuracy: $\pm 0.1\text{mm}$
- Graduation: 0.1mm, 1/128"
- Made of stainless steel
- Satin chrome plated reading surface
- Carbide scriber tip
- Optional accessory: carbide scriber tip (code SP-SCRIBER-7202)

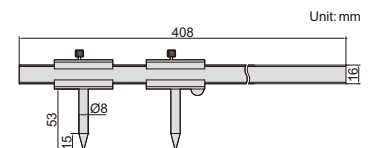
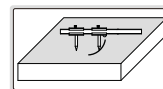


Code	Range	List Price (₹)	Promotion Price (₹)
7202-200A	0-200mm/0-8"	2816	2572

SCRIBING CALIPER



7203-300A

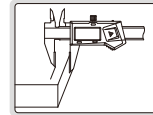
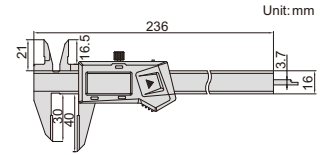


- Accuracy: $\pm 0.1\text{mm}$
- Graduation: 0.1mm
- Made of stainless steel
- Satin chrome plated reading surface
- Hardened scriber tips

Code	Range	List Price (₹)	Promotion Price (₹)
7203-300A	51-300mm	6650	5985

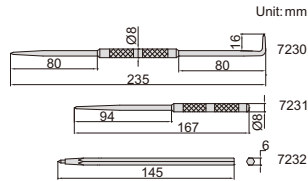
DIGITAL SCRIBING CALIPER

- Non waterproof
- Accuracy: $\pm 0.03\text{mm}$
- Resolution: $0.01\text{mm}/0.0005''$
- The carbide-tipped jaws facilitate scribing on workpieces
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)


1166-150A


Code	Range	List Price (₹)	Promotion Price (₹)
1166-150A	0-150mm/0-6"	10440	9396

SCRIBERS



- 7230 and 7231 are nickel plated, 7232 is zinc-plated

Code	Tip	List Price (₹)	Promotion Price (₹)
7230	hardened tips	270	262
7231	hardened tip	252	227
7232	carbide tip	250	225

PRECISION SCREWDRIVER SET CODE ISGF-0901


ISGF-0901

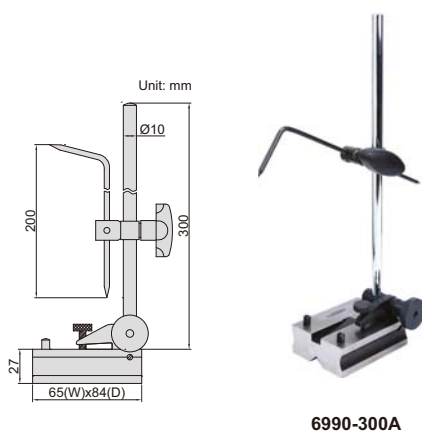
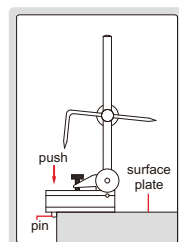
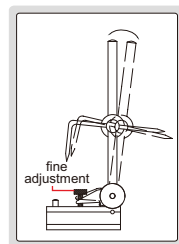
- Includes:
 - 4 pcs "-": 1.4mm, 2.0mm, 2.4mm, 3.0mm
 - 2 pcs "+": 0#, 1#
- Rotating cap
- Material: CRV, hardness: HRC52~56

packaging



Code	List Price (₹)	Promotion Price (₹)
ISGF-0901	524	453

HEIGHT SCRIBER


6990-300A


- Grooved bottom for cylinders
- Two pins to be set against the edge of surface plate

Code	List Price (₹)	Promotion Price (₹)
6990-300A	2696	2089

4-PIECE MEASURING TOOL SET


5042

- Includes:
 - 1) Digital caliper, range 0-150mm/0-6", resolution $0.01\text{mm}/0.0005''$ (code 1108-150)
 - 2) Outside micrometer, range 0-25mm, graduation 0.01mm , (code 3202-25A)
 - 3) 90° beveled edge square, $100 \times 70\text{mm}$, grade 0 (code 4790-1000)
 - 4) Steel rule, $150\text{mm}/6''$ (code 7110-150)


Code	List Price (₹)	Promotion Price (₹)
5042	6260	5822



V-block Sets
Page 133



Magnetic V-blocks
Page 133



Magnetic Induction V-block
Sets
Page 134



Parallels Sets
Page 134



Parallel/Square Sets
Page 134



Magnetic Induction Parallel
Sets
Page 134



Angle Plate Sets
Page 135



Precision Vises
Page 135



Stages
Page 135-136



Centering Indicators
Page 136



Edge Finders
Page 136-137



3D Testers
Page 137



Edge Finders For EDM
Page 138



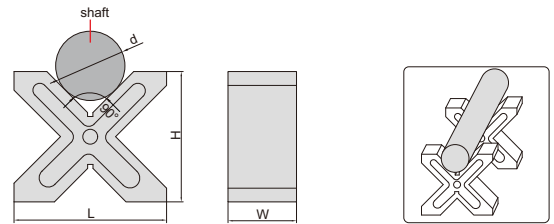
Zero Setters
Page 138

V-BLOCK SETS

- For positioning cylindrical workpieces
- Two V-blocks per set
- Each V-block has four 90° V-grooves
- Cast iron, hardness HB170-240



6805-2



Code	Size (L×H×W)	Range of shafts (Ød)	Parallelism of four V grooves to all sides	Height difference of a matched pair	List Price (₹)	Promotion Price (₹)
6805-1	150×130×75mm	8-120mm	15µm	20µm	36207	35121
6805-2	200×170×90mm	12-180mm	15µm	20µm	43305	42006

MAGNETIC V-BLOCK (ECONOMIC TYPE)

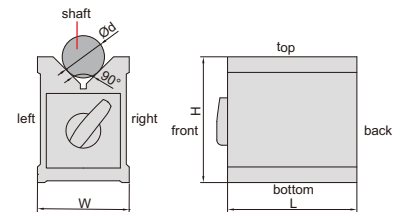
ATTENTION: NOT SUITABLE FOR STEEL OR IRON SURFACES, OTHERWISE THE MAGNETIC FORCE WILL BE REDUCED

ATTENTION: NOT HARDENED

- Hold cylindrical workpieces for inspection and machining
- Supplied in single piece
- Not hardened
- Not suitable for steel or iron surfaces, otherwise the magnetic force will be reduced



6890-702



Code	Size (LxWxH)	Range of shafts (Ød)	Magnetic force	Parallelism of V groove to top, bottom, left and right sides	Squareness of V groove to back side	List Price (₹)	Promotion Price (₹)
6890-702	70x60x73mm	6-44mm	56kgf	10µm	10µm	4685	4217

MAGNETIC V-BLOCKS (ECONOMIC TYPE)

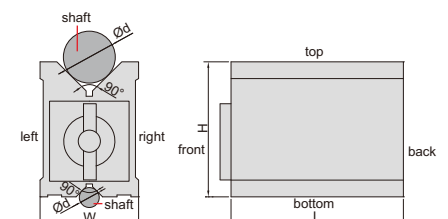
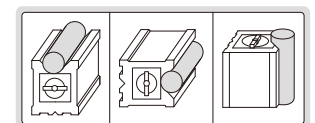
ATTENTION: NOT SUITABLE FOR STEEL OR IRON SURFACES, OTHERWISE THE MAGNETIC FORCE WILL BE REDUCED

ATTENTION: NOT HARDENED

- Parallelism of V grooves to top, bottom, left, right side: 10µm
- Squareness of V grooves to back side: 10µm
- Hold cylindrical workpieces for inspection and machining
- Not hardened
- V groove on the top for large shafts
- V groove on the bottom for small shafts
- Not suitable for steel or iron surfaces, otherwise the magnetic force will be reduced



6801-1201



Code	Size (LxWxH)	Range of shafts (Ød)	Magnetic force	List Price (₹)	Promotion Price (₹)
6801-1201	80x70x95mm	6-67mm	64kgf	8306	6903
6801-1202	100x70x95mm	6-67mm	80kgf	9116	7556
6801-1203	120x70x95mm	6-67mm	96kgf	10088	8814

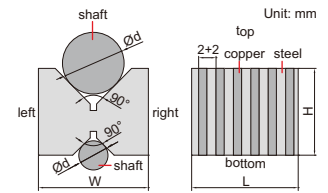
MAGNETIC INDUCTION V-BLOCK SET

ATTENTION: NOT HARDENED, DO NOT ROTATE WORKPIECES ON V-BLOCKS

- Hold cylindrical workpieces for inspection and machining
- To be used on magnetic chucks
- Two V-blocks per set
- V groove on the top for large shafts
- V groove on the bottom for small shafts
- Hardness HRB70
- Copper magnetic strips



6878-1



Code	Size (LxWxH)	Range of shafts (Ød)	Pole pitch	Parallelism of both V grooves to top and bottom sides	Height difference of a matched pair	List Price (₹)	Promotion Price (₹)
6878-1	49x58x46mm	5-56mm	2+2mm	10µm	10µm	21076	20022



PARALLEL SET

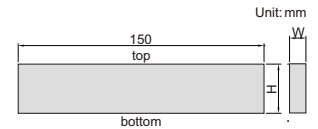
- Parallelism between top and bottom: 5µm
- Height difference of a matched pair: 5µm
- Hardened to HRC55-60
- Made of alloy tool steel

(mm)



6533-144

Code	Parallels per set	Thickness (W)	Height (H)	List Price (₹)	Promotion Price (₹)
6533-144	14 pairs	10	14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50	19056	17407



PARALLEL/SQUARE SET

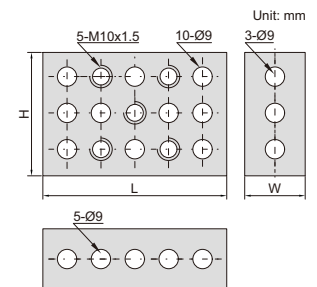
- Size accuracy: 10µm
- Parallelism: 10µm
- Height difference of a matched pair: 10µm
- Pairs of matched blocks for positioning and set-up
- Screws and wrench are included
- Hardness HRC 55-62

screws and wrench are included



6531-25

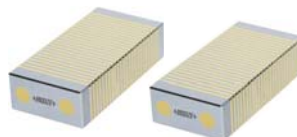
Code	Size (LxHxW)	Squareness	List Price (₹)	Promotion Price (₹)
6531-25	75x50x25mm	7µm/25mm	3165	2532



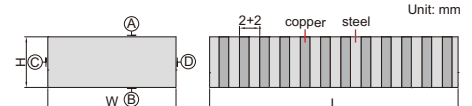
MAGNETIC INDUCTION PARALLEL SET

ATTENTION: NOT HARDENED

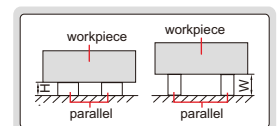
- To be used on magnetic chucks
- Two parallels per set
- Hardness HRB70
- Copper magnetic strips



6879-1



Code	Size (LxWxH)	Pole pitch	Parallelism between A and B	Parallelism between C and D	Height difference of a matched pair	List Price (₹)	Promotion Price (₹)
6879-1	100x50x25mm	2+2mm	10µm	10µm	10µm	16041	15881



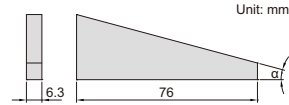
ANGLE PLATE SETS

- Accuracy: ± 20 seconds
- For angle set-up in tooling, production and inspection
- Hardness HRC52



4006-12

Code	Angle plates included	Angle α	List Price (₹)	Promotion Price (₹)
4006-10	10 pcs	1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°	4906	4218
4006-12	12 pcs	1/4°, 1/2°, 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°	6249	5372

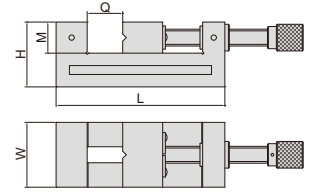


PRECISION VISES

- Parallelism: $8\mu\text{m}/100\text{mm}$
- Squareness: $10\mu\text{m}/100\text{mm}$
- Made of alloy steel
- Hardness HRC56-58



6520-73A



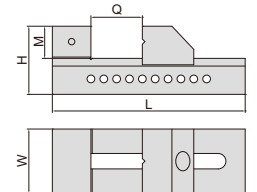
Code	Jaw opening (Q)	Jaw width (W)	L	H	M	List Price (₹)	Promotion Price (₹)
6520-63A	0-63mm	48mm	156mm	52mm	25mm	6898	5863
6520-73A	0-73mm	63mm	176mm	63mm	30mm	10070	8560
6520-76A	0-76mm	73mm	190mm	73mm	35mm	11168	9493
6520-115A	0-115mm	88mm	250mm	80mm	42mm	18429	15665
6520-120A	0-120mm	98mm	255mm	82mm	40mm	20319	17271
6520-152A	0-152mm	125mm	310mm	100mm	50mm	33295	28301
6520-165A	0-165mm	150mm	325mm	199mm	50mm	39570	33635

PRECISION VISES

- Parallelism: $3\mu\text{m}/100\text{mm}$
- Squareness: $5\mu\text{m}/100\text{mm}$
- Made of alloy steel
- Hardness HRC56-58



6526-80



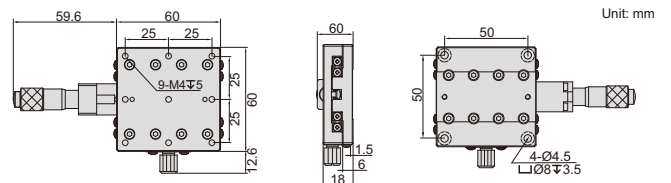
Code	Jaw opening (Q)	Jaw width (W)	Overall length (L)	H	M	List Price (₹)	Promotion Price (₹)
6526-80	0-80mm	50mm	150mm	53mm	25mm	6416	5774
6526-100	0-100mm	73mm	190mm	70mm	35mm	8630	7336

X-AXIS STAGE

- Cross roller guides, achieve high precision and smooth movement
- Stages made of aluminum alloy



6582-602



SPECIFICATION (micrometer in the middle)

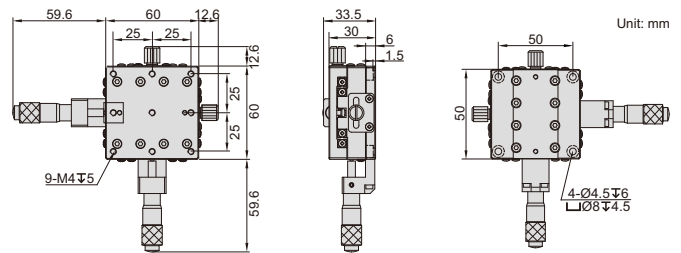
Code	X-axis displacement	Parallelism of top to bottom surface	Micrometer graduation	Micrometer accuracy	Maximum load	Micrometer location	Stage size	Weight	List Price (₹)	Promotion Price (₹)
6582-602	$\pm 6.5\text{mm}$	0.03mm	0.01mm	0.01mm	49N (5kgf)	middle	60x60mm	0.24kg	6634	5971

XY-AXIS STAGE

- Cross roller guides, achieve high precision and smooth movement
- Stages made of aluminum alloy



6584-602



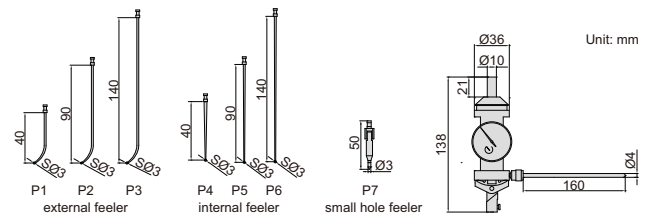
SPECIFICATION (micrometer in the middle)

Code	XY-axis displacement	Parallelism of top to bottom surface	Micrometer graduation	Micrometer accuracy	Maximum load	Micrometer location	Stage size	Weight	List Price (₹)	Promotion Price (₹)
6584-602	±6.5mm	0.06mm	0.01mm	0.01mm	49N (5kgf)	middle	60x60mm	0.48kg	12862	11576

CENTERING INDICATOR

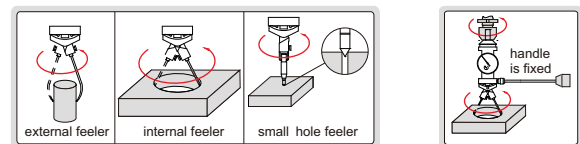


2385-3



- Provides quick and accurate centering in boring and milling set-up
- Maximum speed is recommended not to exceed 800RPM

Feeler	Measuring diameter	Accuracy
P1	Ø0-60mm	0.015mm
P2	Ø0-160mm	0.02mm
P3	Ø0-250mm	0.03mm
P4	Ø3.2-80mm	0.015mm
P5	Ø3.2-180mm	0.02mm
P6	Ø3.2-280mm	0.03mm
P7	Ø0-2.8mm	0.015mm



Code	List Price (₹)	Promotion Price (₹)
2385-3	10147	7566

ELECTRONIC EDGE FINDER

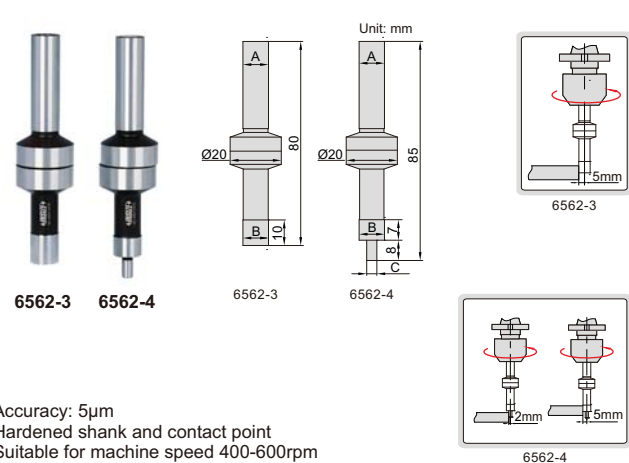


6566-3

- The shank is electrically conducted to the metal workpiece through the chuck and table, the LED lights up and the beeper sounds, when the ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball
- Battery: 23A, 12Vx1 pc

Code	Shank (A)	Contact ball (B)	Accuracy	Beeper	List Price (₹)	Promotion Price (₹)
6566-3	Ø20mm	SØ10mm	5µm	with	7301	6607

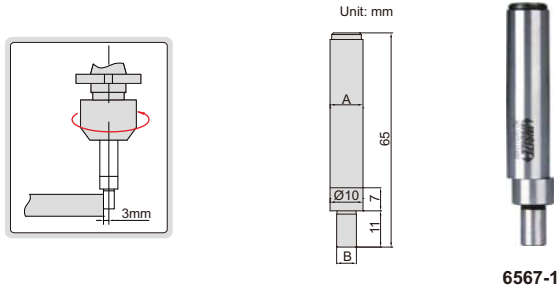
EDGE FINDERS



- Accuracy: 5µm
- Hardened shank and contact point
- Suitable for machine speed 400-600rpm

Code	Shank (A)	Contact point (B)	Contact point (C)	List Price (₹)	Promotion Price (₹)
6562-3	Ø10mm	Ø10mm	—	3179	2572
6562-4	Ø10mm	Ø10mm	Ø4mm	3277	2684

EDGE FINDER

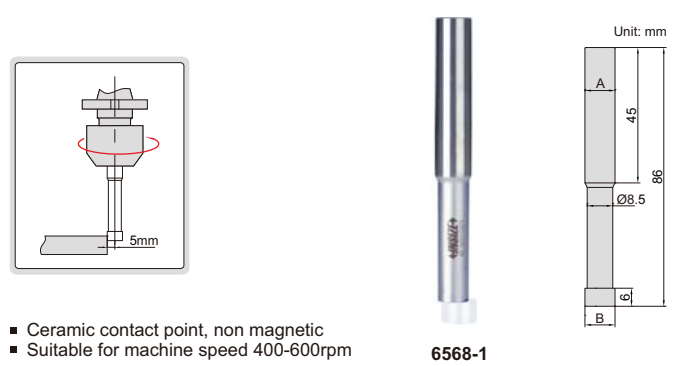


6567-1

- Hardened shank and contact point
- Suitable for machine speed 400-600rpm

Code	Shank (A)	Contact point (B)	Accuracy	List Price (₹)	Promotion Price (₹)
6567-1	Ø10mm	Ø6mm	8µm	1579	1532

CERAMIC EDGE FINDER



6568-1

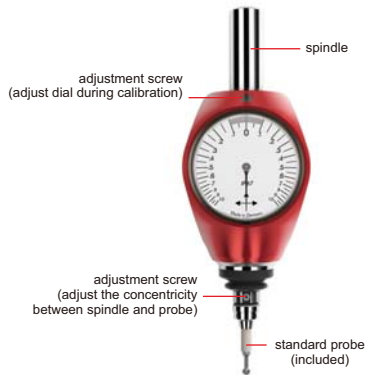
- Ceramic contact point, non magnetic
- Suitable for machine speed 400-600rpm

Code	Shank (A)	Contact point (B)	Accuracy	List Price (₹)	Promotion Price (₹)
6568-1	Ø10mm	Ø10mm	8µm	5821	5292

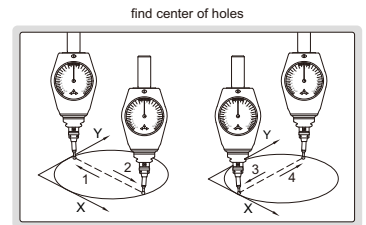
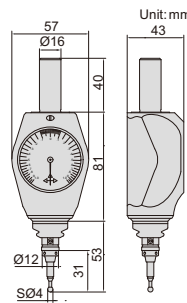
3D TESTER



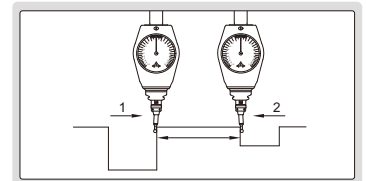
WHEN USING STANDARD PROBE, READING SHOWS MOVEMENT VALUE OF PROBE.
WHEN USING EXTENDED PROBE, READING DOES NOT SHOW MOVEMENT VALUE OF PROBE



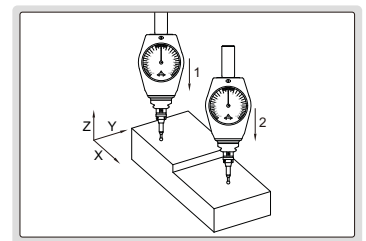
2840-3D



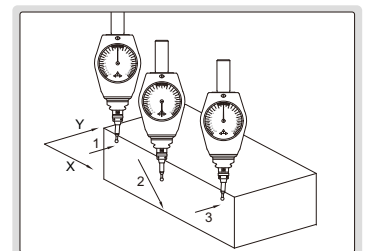
length measurement



depth measurement

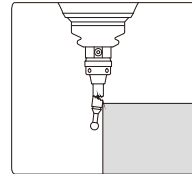


position workpieces



- Shockproof, IP67 dust/waterproof
- Mainly used for milling machines and CNC machine tools
 1. determine coordinate point on workpieces
 2. find center of holes
 3. adjust and position workpieces
- Can be used to measure length and depth
- When using standard probe, reading shows movement value of probe, for example, if probe moves 0.05mm, reading changes 0.05mm (5 graduations). When using extended probe, reading does not show movement value of probe
- Large working range on three axes (X, Y, Z), which avoids damage of probes due to collision by mistake

if the probe is pressed too much, the probe breaks at the breaking point, in order to prevent damage of the main body



Code	Range	Graduation	Repeatability at zero (one direction)	X, Y, Z range	List Price (₹)	Promotion Price (₹)
2840-3D	±1.0mm	0.01mm	±0.01mm	6mm	41265	40440

PROBE (optional)

Code	Description	L	D
2840-N1	standard probe	31mm	SØ4mm
2840-N2	extended probe	56.6mm	SØ6mm

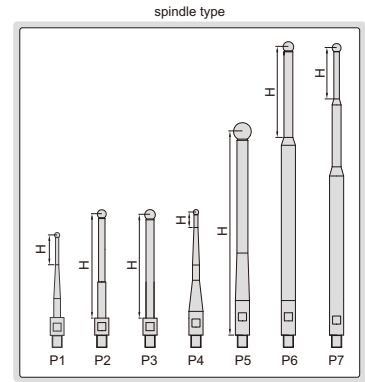
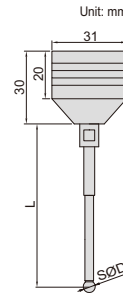


EDGE FINDERS FOR EDM

CAN BE CUSTOM-MADE



6558-52



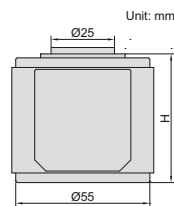
- To locate workpieces
- Buzzer in EDM sounds when the ball touches the workpiece
- Tungsten steel ball, diameter accuracy: $\pm 0.003\text{mm}$
- Non magnetic stainless steel spindle
- Magnetic base

(mm)							(mm)						
Code	Ball dia. (SØD)	Spindle length (L)	Measuring depth (H)	Spindle type	List Price (₹)	Promotion Price (₹)	Code	Ball dia. (SØD)	Spindle length (L)	Measuring depth (H)	Spindle type	List Price (₹)	Promotion Price (₹)
6558-11	SØ1	69	5	P4	1097	1042	6558-54	SØ5	167	46	P6	1850	1757
6558-21	SØ2	49	6	P1	1097	1042	6558-61	SØ6	47	35	P3	1097	1042
6558-22	SØ2	69	6	P4	1097	1042	6558-62	SØ6	67	56	P3	1097	1042
6558-23	SØ2	119	8	P4	1477	1404	6558-63	SØ6	87	76	P3	1477	1404
6558-31	SØ3	48	6	P1	1097	1042	6558-64	SØ6	117	107	P2	1477	1404
6558-32	SØ3	68	7	P4	1097	1042	6558-65	SØ6	167	51	P6	1850	1757
6558-33	SØ3	118	10	P4	1477	1404	6558-81	SØ8	46	46	P5	1097	1042
6558-41	SØ4	48	37	P3	1097	1042	6558-82	SØ8	66	54	P3	1097	1042
6558-42	SØ4	68	57	P2	1097	1042	6558-83	SØ8	116	105	P3	1477	1404
6558-43	SØ4	118	16	P4	1477	1404	6558-84	SØ8	166	51	P6	1850	1757
6558-44	SØ4	168	28	P7	1850	1757	6558-101	SØ10	45	34	P3	1097	1042
6558-51	SØ5	47	36	P3	1097	1042	6558-102	SØ10	65	53	P3	1097	1042
6558-52	SØ5	67	56	P2	1097	1042	6558-103	SØ10	115	114	P5	1477	1404
6558-53	SØ5	117	106	P2	1477	1404	6558-104	SØ10	165	53	P6	1850	1757

DIGITAL ZERO SETTER

IP65 WATERPROOF

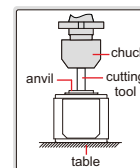
- Resolution: 0.001mm/0.00005"
- IP65 dust/waterproof
- Buttons: on/off, mm/inch, zero
- CR2032 battery
- Automatic power off
- Magnetic base
- Automatic backlight at zero



6557-50

Code	Height (H)	Anvil stroke	Accuracy *	Test force	Repeatability	List Price (₹)	Promotion Price (₹)
6557-50	50mm	2.5mm	$\pm 10\mu\text{m}/0.0004"$	10N (at 50mm)	2 μm	5764	5591

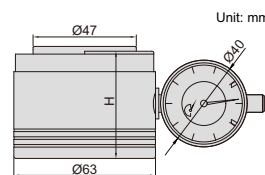
* The accuracy is ensured within $\varnothing 10\text{mm}$ of the center



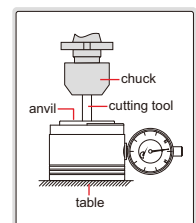
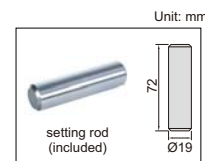
ZERO SETTER



6556-50



Code	Height (H)	Test force	Accuracy	List Price (₹)	Promotion Price (₹)
6556-50	50mm	10N (at 50mm)	$\pm 10\mu\text{m}$	22102	20189





Digital levels
Page 140



Digital Levels And Slope Meters
Page 140-141



Frame Levels
Page 142



Block Levels
Page 142



Digital Levels And Slope Meters
Page 142



Levels
Page 143-144



Cross-line Laser Levels
Page 145

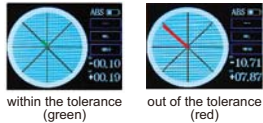


Self-leveling Rotary Lasers
Page 145

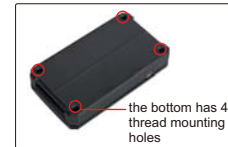
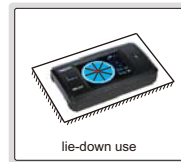
DIGITAL LEVEL CODE ISE-2DT

DATA OUTPUT

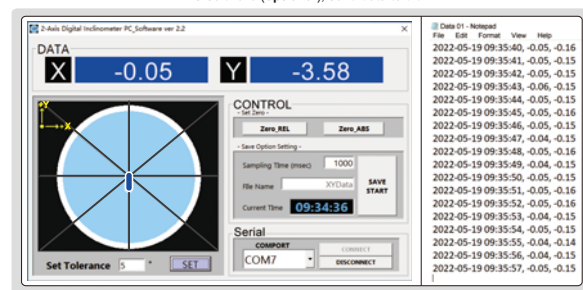
- Color LCD, touch panel
- X-Y axis measurement
- Set the tolerance and the display is shown in different colors



- To show the incline with line or bubble



PC software (optional), send data to txt



SPECIFICATION

List Price (₹)	49650
Promotion Price (₹)	48161
Measuring range	±30°
Resolution	0.1°, 0.01°, 0.1mm/m
Accuracy	±0.03° (range 0~3°) ±0.05° (range >3°)
Power supply	rechargeable battery
Dimension	115×66×25mm
Weight	224g



STANDARD DELIVERY

Main unit	1 pc
USB cable	1 pc

OPTIONAL ACCESSORY

Software	ISE-2DT-SOFTWARE
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DIGITAL LEVEL AND SLOPE METER

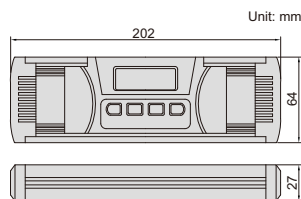
BACKLIGHT

BUZZER ALARM AT 0° AND 90°

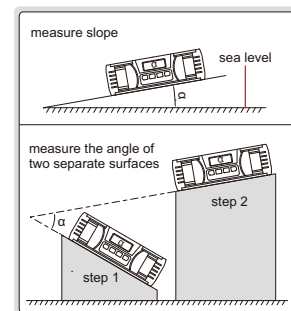
WORKING TEMPERATURE -5°C~50°C

IP67 WATERPROOF

ABSOLUTE LEVEL



2175-360



- IP67 dust/waterproof
- Used as level and slope meter
- Aluminum frame, shock absorbing rubber end caps
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, backlight/buzzer alarm, absolute and incremental measurement, unit (mm/m, %, °), HOLD (keep the reading)
- Three AAA batteries, automatic power off

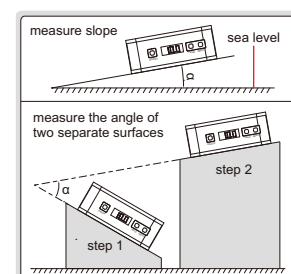
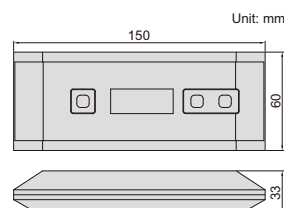
Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2175-360	0-360° (90°x4)	0.05° (=0.873mm/m)	at 0°: ±0.05°; at others: ±0.1°	5387	5118

DIGITAL LEVEL AND SLOPE METER

- Resolution: 0.1° (=1.745mm/m)
- Aluminum frame
- Used as level and slope meter
- Magnetic bottom with V-groove for shafts
- Zero setting can be made on any plain surfaces
- Buttons: ON/OFF, ZERO, HOLD (keep the reading)
- CR2032 battery
- Automatic power off



2173-360



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2173-360	0-360° (90°x4)	at 0° and 90°: ±0.1°, at others: ±0.2°	6758	4394

DIGITAL LEVEL AND SLOPE METER

BUZZER ALARM
AT 0° AND 90°

WORKING TEMPERATURE
-5°C ~ 50°C

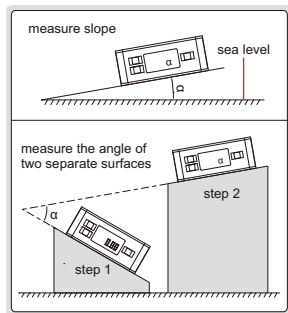
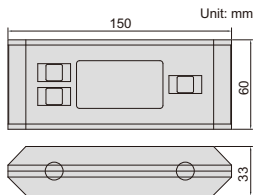
IP54
WATERPROOF

ABSOLUTE
LEVEL

BACKLIGHT



2179-360



- Resolution: 0.05° (=0.873mm/m)
- IP54 dust/waterproof
- Used as level and slope meter
- Aluminum frame
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm, unit (mm/m, %, in/ft), conversion, backlight
- Two AAA batteries, automatic power off

Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
2179-360	0-360° (90°x4)	at 0° and 90°: ±0.1°, at others: ±0.2°	7180	4835

DIGITAL LEVEL AND SLOPE METER

MAGNETIC
BOTTOM

ABSOLUTE
LEVEL

WORKING TEMPERATURE
-5°C-50°C

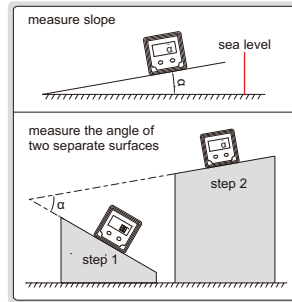
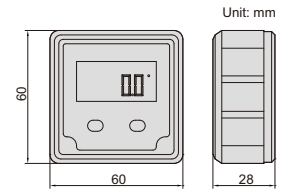
BACKLIGHT

DISPLAY FLIPS OVER WHEN
THE BOTTOM FACES UP

POPULAR
MODEL



2170-1



- Used as level and slope meter
- Aluminum frame, magnetic bottom
- The display flips over when the bottom faces up
- The backlight is on automatically when in use, and automatically off in 15 seconds after use
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, ZERO, absolute and incremental measurement
- One AAA battery, automatic power off in 5 minutes



Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2170-1	4x90°	0.1° (=1.745mm/m)	at 0° and 90°: ±0.1°, at others: ±0.2°	3024	2061

BLUETOOTH DIGITAL LEVEL AND SLOPE METER

WORKING TEMPERATURE
-5°C-50°C

MAGNETIC
BOTTOM

DISPLAY FLIPS OVER WHEN
THE BOTTOM FACES UP



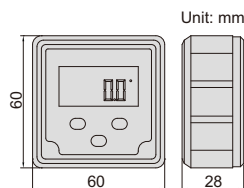
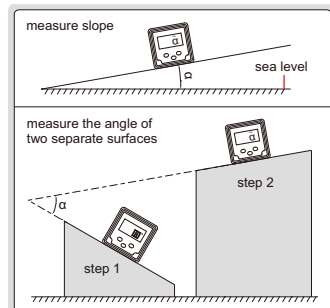
BACKLIGHT

ABSOLUTE
LEVEL



2198-2

- Used as level and slope meter
- Aluminum frame
- Magnetic bottom
- The display flips over when the bottom faces up
- The backlight is on automatically when in use, and automatically off in 15 seconds after use
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, ZERO, HOLD, absolute and incremental measurement
- Built-in bluetooth, transmission distance is 15 meters (under the condition of no obstruction and no electromagnetic interference). Android and iPhone APP are included
- One AAA battery, automatic power off in 5 minutes



Android and iPhone APP (included), can choose real-time display (continuous transmission) or single transmission

select continuous or single transmission mode and set tolerance

real-time data (display in green when within tolerance and display in red when out of tolerance)

send data

single transmission

clear data

graph

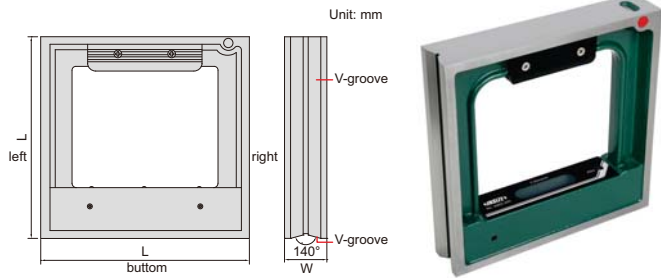
green background (within tolerance)

red background (out of tolerance)

Time	mode	angle	alarm
05-15 16:03:21	ABS	-55.6	LowMax
05-15 16:03:16	ABS	-27.6	None
05-15 16:03:16	ABS	11.3	None
05-15 16:03:14	ABS	04.3	UpMax
05-15 16:03:13	ABS	05.6	UpMax
05-15 16:03:11	ABS	-91.9	LowMax
05-15 16:03:10	ABS	-85	LowMax

Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2198-2	4x90°	0.1° (=1.745mm/m)	at 0° and 90°: ±0.1°; at others: ±0.2°	2827	2686

FRAME LEVELS



4902-200

- V-groove on bottom and left for shafts (shafts dia. 15~68mm)
- With transverse vial



Sensitivity 0.02mm/m (=0.001°)

Code	Size (LxL)	W	List Price (₹)	Promotion Price (₹)
4902-150	150x150mm	40mm	9941	8947
4902-200	200x200mm	40mm	11372	10235
4902-300	300x300mm	45mm	16640	14976

Sensitivity 0.05mm/m (=0.0029°)

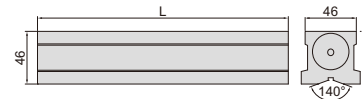
Code	Size (LxL)	W	List Price (₹)	Promotion Price (₹)
4902-C150	150x150mm	40mm	9604	8644
4902-C200	200x200mm	40mm	12962	10110
4902-C300	300x300mm	45mm	16156	14540

BLOCK LEVELS



4903-200A

- V-groove on bottom for shafts (shafts dia. 15~68mm)
- With transverse vial



Sensitivity 0.02mm/m (=0.001°)

Code	Length (L)	List Price (₹)	Promotion Price (₹)
4903-150A	150mm	10462	7637
4903-200A	200mm	11123	8342
4903-300A	300mm	13779	10748

Sensitivity 0.05mm/m (=0.0029°)

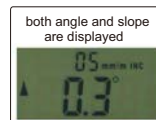
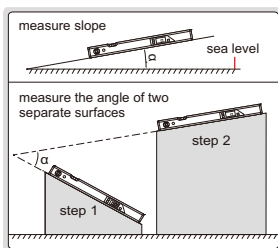
Code	Length (L)	List Price (₹)	Promotion Price (₹)
4903-C150	150mm	9355	7484
4903-C200	200mm	10125	8303
4903-C300	300mm	12186	10358

DIGITAL LEVELS AND SLOPE METERS

WORKING TEMPERATURE
0°C ~ 50°C

BACKLIGHT

ABSOLUTE
LEVEL



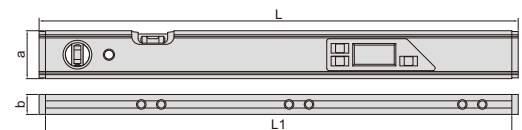
4910-400



4910-600



- With transverse and longitudinal vials
- Used as level and slope meter
- Aluminum frame, magnetic bottom
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm (not for 4910-400), unit (mm/m, %, in/ft), conversion (not for 4910-400), backlight
- The display flips over when the bottom faces up
- Two AAA batteries, automatic power off



(mm)

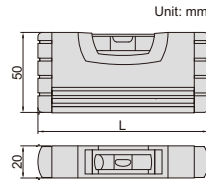
Code	Range	Resolution	Accuracy	Remark	L	L1	a	b	List Price (₹)	Promotion Price (₹)
4910-400	0~360° (90°x4)	angle: 0.1°; slope: 1mm/m	±0.2°	both angle and slope are displayed	416	400	50	21	2290	2221
4910-600	0~360° (90°x4)	at 0° and 90°: 0.05° (=0.8725mm/m); at others: 0.1° (=1.745mm/m)	at 0° and 90°: ±0.1°; at others: ±0.2°	at 0° and 90° buzzer alarms	600	585	60	25	6040	4393

HANDY LEVEL

- Shockproof vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C

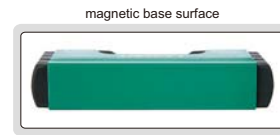


4912-100



MAGNETIC BASE

LIFETIME WARRANTY VIALS



Code	Size (L)	Accuracy	List Price (₹)	Promotion Price (₹)
4912-100	100mm	0.5mm/m	573	490

HANDY LEVELS



4922-100

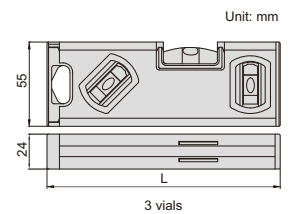
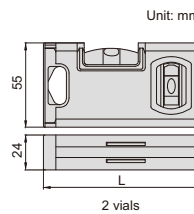


4922-150

- Shockproof horizontal and vertical vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C

LIFETIME WARRANTY VIALS

MAGNETIC BASE



Code	Size (L)	Accuracy	Number of vials	List Price (₹)	Promotion Price (₹)
4922-100	100mm	0.5mm/m	2	809	728
4922-150	150mm	0.5mm/m	3	1002	902
4922-200	200mm	0.5mm/m	3	1076	968

CASTING ALUMINUM LEVEL

MAGNETIC BASE

LIFETIME WARRANTY VIALS



4913-250

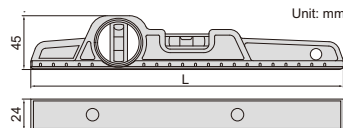
packaging



magnetic bottom surface (milled)



- Shockproof horizontal and vertical vials
- Magnetic base
- Working temperature: -15°C~55°C
- Cast aluminum body



Code	Size (L)	Accuracy	List Price (₹)	Promotion Price (₹)
4913-250	250mm	0.5mm/m	975	835

ALUMINUM LEVEL

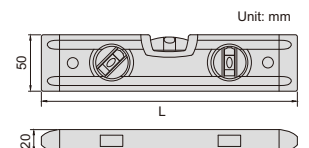
MAGNETIC BASE

LIFETIME WARRANTY VIALS



4921-230

- Shockproof horizontal and vertical vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C



Code	Size (L)	Accuracy	List Price (₹)	Promotion Price (₹)
4921-230	230mm	0.5mm/m	1195	1076

ALUMINUM LEVELS

- Top and bottom working surfaces
- Shock-proof and UV-proof vials
- Die casting aluminum alloy frame
- Zero position of horizontal vial can be set
- One graduation of horizontal vial is 2% slope
- Working temperature: -15°C~55°C

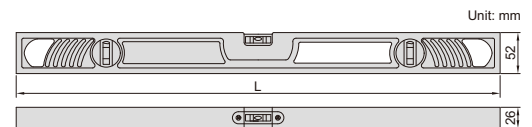


4911-600

working surface (milled)

working surface (milled)

LIFETIME WARRANTY VIALS



bottom surface (non-magnetic, milled)

Code	Length (L)	Accuracy	List Price (₹)	Promotion Price (₹)
4911-600	600mm	0.5mm/m	2132	1894
4911-800	800mm	0.5mm/m	2366	2103

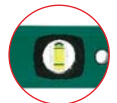
ALUMINUM LEVELS

LIFETIME WARRANTY VIALS

MAGNETIC BASE



4914-600



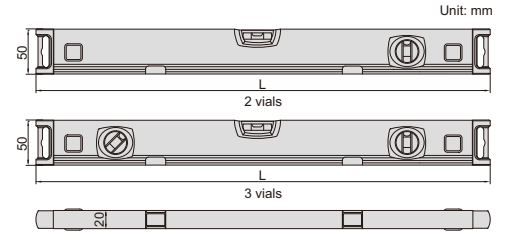
magnetic bottom surface (milled)



4914-2000

- Shockproof horizontal and vertical vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C

Code	Size (L)	Accuracy	Number of vials	List Price (₹)	Promotion Price (₹)
4914-300	300mm	0.5mm/m	2	1072	891
4914-600	600mm	0.5mm/m	2	1381	1182
4914-1000	1000mm	0.5mm/m	2	1976	1691
4914-2000	2000mm	0.5mm/m	3	3958	3311



ALUMINUM LEVELS (BASIC TYPE)



4918-300



magnetic bottom surface



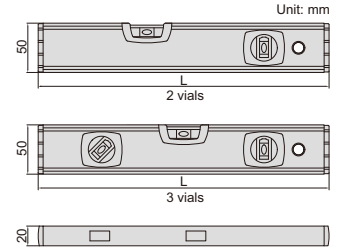
4918-2000

LIFETIME WARRANTY VIALS

MAGNETIC BASE

Code	Size (L)	Number of vials	List Price (₹)	Promotion Price (₹)
4918-300	300mm	2	972	812
4918-600	600mm	2	1159	970
4918-800	800mm	2	1310	1096
4918-1000	1000mm	2	1452	1214
4918-1200	1200mm	2	1592	1331
4918-2000	2000mm	3	2750	2301

- Accuracy: 1mm/m
- Shock-proof and UV-proof vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C



ALUMINUM LEVELS (WITH ROTARY VIAL)

- Shockproof and UV-proof vials
- Horizontal, vertical and rotary vials
- Rotary vial, range: 0°~360°, graduation: 5°
- Plumb window
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C



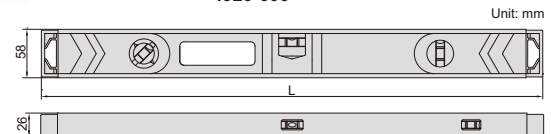
VIDEO

LIFETIME WARRANTY VIALS



4920-600

Code	Length (L)	Accuracy	List Price (₹)	Promotion Price (₹)
4920-400	400mm	0.5mm/m	1208	1087
4920-600	600mm	0.5mm/m	1639	1475
4920-800	800mm	0.5mm/m	1965	1769
4920-900	900mm	0.5mm/m	2173	1956
4920-1000	1000mm	0.5mm/m	2381	2143
4920-1200	1200mm	0.5mm/m	2797	2517



ALUMINUM LEVEL WITH RULER

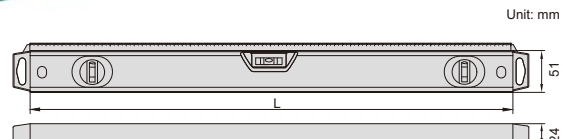
- Shockproof horizontal and vertical vials
- Non-magnetic milled base
- Shock absorbing rubber end caps
- Range of ruler: 0-60cm, graduation: 1mm
- Working temperature: -15°C~55°C



4923-600

LIFETIME WARRANTY VIALS

Code	Size (L)	Accuracy	List Price (₹)	Promotion Price (₹)
4923-600	600mm	0.5mm/m	1924	1732



CROSS-LINE LASER LEVEL CODE 4917-30

- Red horizontal and vertical cross laser lines
- Self-leveling within $\pm 3^\circ$, self-leveling time within 4s, audible and visual warning when out of $\pm 3^\circ$
- Folding legs for angle and height adjustment
- Outdoor use with the detector (code: 4917-DETECTOR)

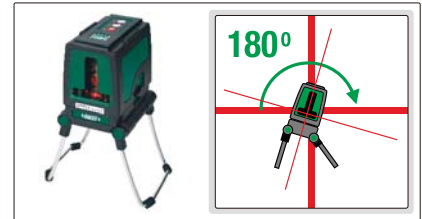
application examples



IP54
WATERPROOF

AUDIBLE AND VISUAL
WARNING WHEN OUT OF $\pm 3^\circ$

folding legs for angle and height adjustment



SPECIFICATION

List Price (₹)	7730
Promotion Price (₹)	6874
Laser line width	2±0.5mm (within 5m)
Laser type	630~660nm, class II, <1mW
Beam angle	120±0.5°
Self-leveling range	±3°
Working distance	indoor: 30m, outdoor: 50m with detector (optional)
Accuracy	0.2mm/m
Operation temperature	-10~40°C
Power supply	3×AA batteries, for 3 hours working
Dimension	100×82×104mm
Weight	620g

STANDARD DELIVERY

Main unit	1 pc
1/4" to 5/8" tripod adaptor	1 pc
Battery (AA)	3 pcs



outdoor detector (optional)



stand
(included with outdoor detector)

OPTIONAL ACCESSORY

Outdoor detector	4917-DETECTOR
------------------	---------------

OUTDOOR DETECTOR (OPTIONAL)

Detecting distance	horizontal 1~50m, vertical 1~30m
Detecting accuracy*	high accuracy $\pm 1.5\text{mm}$, low accuracy $\pm 2.5\text{mm}$
Power supply	9V battery
Dimension	168×58×30mm
Weight	140g (battery included)

* Use high accuracy detection mode within 15m, use low accuracy detection mode over 15m

SELF-LEVELING ROTARY LASER CODE GRL-L340

INDICATOR FLASHING
WHEN OUT OF $\pm 5^\circ$

IP65
WATERPROOF



application examples



horizontal leveling

vertical leveling

working with detector

SPECIFICATION

List Price (₹)	62546	
Promotion Price (₹)	59419	
Working range	indoor 50m, outdoor 300m (with detector)	
Self leveling range	±5°	
Horizontal/vertical beam accuracy	±0.1mm/m	
Main laser type	520~540nm, class 2, <1mW	
Auxiliary laser type	645~655nm, class 2, <1mW	
Rotating speed	0/60/120/300/600rpm	
Scanning range	0/10/45/90/180/360°	
Setting slope	X axis: $\pm 5^\circ$, Y axis: $\pm 5^\circ$	
Operation temperature	-20~50°C	
Maximum remote control distance	20m	
Power supply	remote controller	2×1.5V AAA batteries
	main unit	NI-MH batteries or 4×1.5V C batteries
	detector	1×9V battery
Dimension	210×210×213mm	
Weight	2.5kg	

- Applicable fields: construction, decoration, pipeline and equipment installation
- Green laser beam rotates 360° horizontally or vertically
- Self-leveling range $\pm 5^\circ$ on both X and Y planes
- Alarm when inclination is out of $\pm 5^\circ$
- $\pm 5^\circ$ leveling range for manual mode on both X and Y planes
- 5 variable speeds 0-600rpm
- 6 scan modes
- Plumb up and plumb down dots
- Remote control for long distance
- Power supply: AC or DC



detector (included)



remote controller (included)



beam finder glasses (included)



bracket for C battery (included)

STANDARD DELIVERY

Main unit (including NI-MH batteries)	1 pc
C battery and bracket	1 set
Detector	1 pc
Remote controller	1 pc
Beam finder glasses	1 pc
Laser target	1 pc
Power adapter	1 pc
AAA battery	2 pcs
9V battery	1 pc



Linear Scales
Page 147-148



Digital Readouts
Page 147-148



Scales
Page 148-149



Air Gage Displays
Page 149



Optical Transmission Probes For CNC Machine Tools
Page 150-151



Laser Scan Micrometers
Page 151



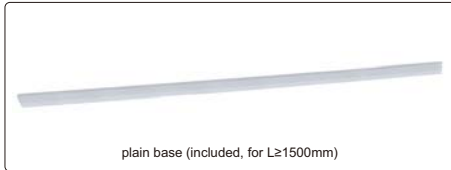
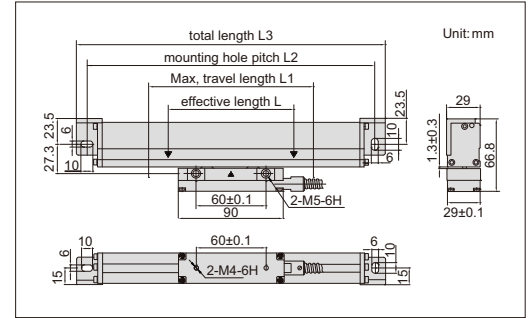
Jigs For CMM
Page 152-154

LINEAR SCALES (TTL SIGNAL)

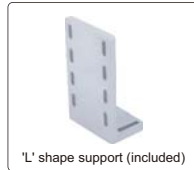


ISL-B5-300

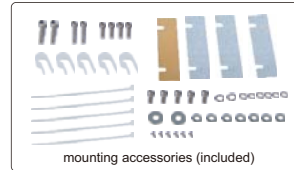
Series ISL-B5



plain base (included, for L \geq 1500mm)



'L' shape support (included)



mounting accessories (included)



anti-dust cover (included)

SPECIFICATION

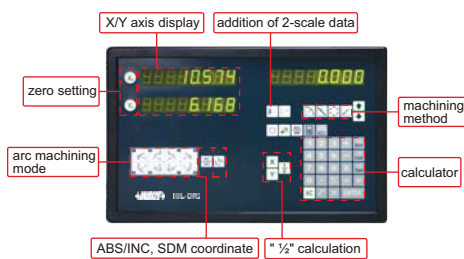
Code	Series ISL-B5	
L1 (mm)	L+30 (L<950)	L+50 (L \geq 950)
L2 (mm)	L+136 (L<950)	L+156 (L \geq 950)
L3 (mm)	L+154 (L<950)	L+174 (L \geq 950)
Resolution	5 μ m	
Max. response speed	60m/min	
Scale grating pitch	20 μ m	
Scale reference point pitch	50mm	
Accuracy	$\pm(5+5L/1000)\mu$ m L is the effective length in mm	
Cable length	3.5m (L: 50-950mm), 5m (L: 1000-1500mm), 10m (L: 1600-2000mm)	
Output signal	TTL	
Socket	9PD	
Power supply	5 \pm 0.5V	

Effective length (L)	Code	List Price (₹)	Promotion Price (₹)
	thick type series ISL-B5		
100mm	ISL-B5-100	8995	8725
300mm	ISL-B5-300	8995	8725
500mm	ISL-B5-500	8995	8725
1000mm	ISL-B5-1000	16136	15652

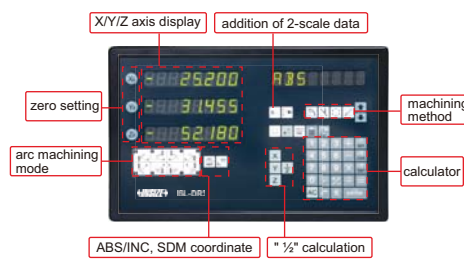
STANDARD DELIVERY

Main unit	1 pc
'L' shape support	1 pc
Anti-dust cover	1 pc
Plain base	1 pc (for L \geq 1500mm)
Mounting accessories	1 package

DIGITAL READOUTS



ISL-DR2



ISL-DR3



VIDEO



software flash disk (included)



mounting bracket (included)

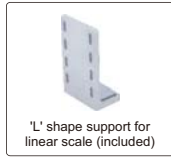
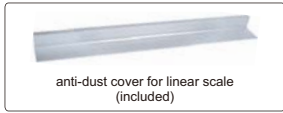
SPECIFICATION

Code	ISL-DR2	ISL-DR3
List Price (₹)	19140	23491
Promotion Price (₹)	17226	21142
Application	two-axis	three-axis
Scale input ports	2	3
Resolution	0.05 μ m, 0.1 μ m, 0.2 μ m, 0.5 μ m, 1 μ m, 2 μ m, 5 μ m, 10 μ m, 20 μ m, 50 μ m	
Functions	addition of 2-scale data, linearity error compensation, smoothing, RS232C interface unit, BCD code out, zero setting, preset, resolution setting, counting direction setting, inch/mm conversion, ABS/INC conversion, expansion/contraction coefficient setting, "1/2" calculation, detecting RI, bolt-hole circle machining, ramp circle machining	
Power supply	110/220V, 50/60Hz	
Dimension	295x185x45mm	
Weight	1.45kg	

STANDARD DELIVERY

Main unit	1 pc
Mounting bracket	1 pc
Ground cable	1 pc
RS232C cable	1 pc
Software flash disk for RS232C	1 pc

LINEAR SCALE AND READOUT SET FOR LATHE CODE ISL-SET1

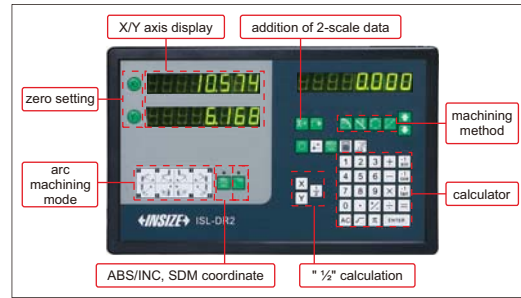


READOUT SPECIFICATION

List Price (₹)	61236
Promotion Price (₹)	55501
Application	two-axis
Scale input ports	2
Resolution	1µm
Functions	addition of 2-scale data, linearity error compensation, smoothing, RS232C interface unit, BCD code out, zero setting, preset, resolution setting, counting direction setting, inch/mm conversion, ABS/INC conversion, expansion/contraction coefficient setting, "1/2" calculation, detecting RI, bolt-hole circle machining, ramp circle machining
Power supply	110/220V, 50/60Hz
Dimension	295×185×45mm
Weight	1.45kg

LINEAR SCALE SPECIFICATION

X-axis	200mm
Y-axis	1000mm
Max. response speed	50m/min
Scale grating pitch	20µm
Scale reference point pitch	50mm
Accuracy	±(5+5L/1000)µm L is the effective length in mm
Cable length	200mm scale: 3.5m, 1000mm scale: 5m

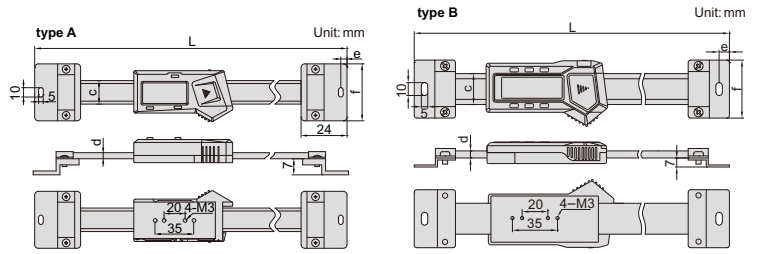


STANDARD DELIVERY

Readout box	1 pc
200mm linear scale	1 pc
1000mm linear scale	1 pc
Mounting bracket for readout	1 pc
Ground cable for readout	1 pc
RS232C cable for readout	1 pc
Software flash disk for RS232C of readout	1 pc
'L' shape support for linear scale	1 pc
Anti-dust cover for linear scale	1 pc
Mounting accessories for linear scale	1 package



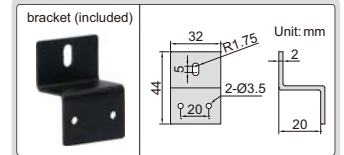
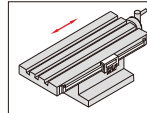
DIGITAL HORIZONTAL SCALES



- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, zero, mm/inch, type B: on/off, zero, mm/inch, ABS, data preset
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back

DATA OUTPUT

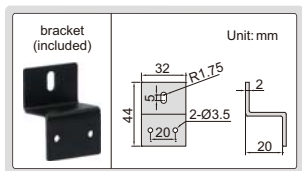
example of application



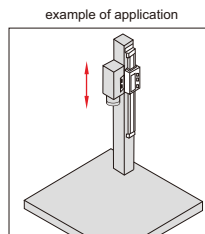
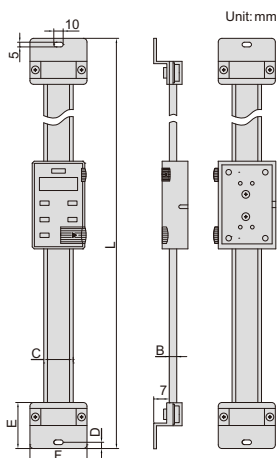
(mm)

Code	Range	Type	Accuracy	L	c	d	e	f	Data output cable (optional)	List Price (₹)	Promotion Price (₹)
7101-100A	100mm	A	±0.02mm	215	16	4	6	36	7315-21, 7302-21, 7305-21	4016	3668
7101-150A	150mm	A	±0.03mm	265	16	4	6	36	7315-21, 7302-21, 7305-21	4755	4344
7101-200A	200mm	A	±0.03mm	315	16	4	6	36	7315-21, 7302-21, 7305-21	6214	5677
7101-300A	300mm	A	±0.04mm	445	16	4	6	36	7315-21, 7302-21, 7305-21	9214	8416
7101-400A	400mm	B	±0.05mm	590	24	5.5	8	45	7315-22, 7302-22, 7305-22	12202	11147
7101-500A	500mm	B	±0.05mm	690	24	5.5	8	45	7315-22, 7302-22, 7305-22	15549	14205
7101-600A	600mm	B	±0.08mm	790	24	5.5	8	45	7315-22, 7302-22, 7305-22	19190	17530
7101-800A	800mm	B	±0.10mm	990	24	5.5	8	45	7315-22, 7302-22, 7305-22	28883	26385
7101-1000A	1000mm	B	±0.10mm	1240	31	10.5	10	60	7315-22, 7302-22, 7305-22	39625	36198

DIGITAL VERTICAL SCALES



- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- Battery LR44, data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back
- Optional accessory: wireless transmitter (code 7315-1150), data output cable (code 7302-SPC7, keyboard format), data output cable (code 7305-1150, serial port format)



DATA OUTPUT



7102-300

Code	Range	Accuracy	B	C	D	E	F	L	List Price (₹)	Promotion Price (₹)
7102-100	100mm/4"	±0.02mm	4	20	6	24	40	245	5675	4937
7102-150	150mm/6"	±0.03mm	4	20	6	24	40	296	6879	5847
7102-200	200mm/8"	±0.03mm	4	20	6	24	40	345	7501	6376
7102-300	300mm/12"	±0.04mm	4	20	6	24	40	445	10669	9069
7102-400	400mm/16"	±0.05mm	4	20	6	24	40	545	14046	11939
7102-500	500mm/20"	±0.05mm	5.5	24	8	32	45	685	17689	15036
7102-600	600mm/24"	±0.08mm	5.5	24	8	32	45	785	21941	18650
7102-800	800mm/32"	±0.10mm	5.5	24	8	32	45	985	30000	25500
7102-1000	1000mm/40"	±0.10mm	10.5	31	9.5	40	60	1245	43389	36881

AIR GAGE DISPLAY CODE 9408-QD100



air filter (optional)



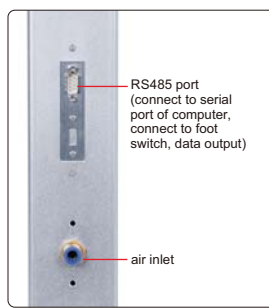
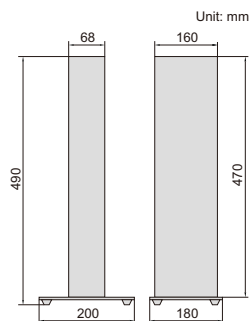
pressure regulating valve (optional)



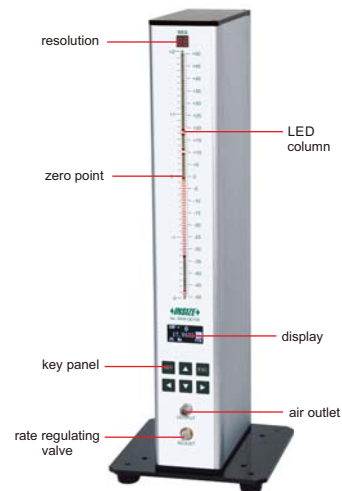
foot switch (optional)



RS485 cable (optional)



back of display



SPECIFICATION

List Price (₹)	97194			
Promotion Price (₹)	92334			
LED quantity	101 pcs			
LED color	red, orange, green			
LED height	254mm			
Range, resolution and accuracy	range	resolution		accuracy
		LED	display	
	10µm	0.1µm	0.1µm	0.2µm
	20µm	0.2µm	0.1µm	0.4µm
50µm	0.5µm	0.1µm	1µm	
100µm	1µm	0.1µm	2µm	
Unit	mm, µm			
Air supply	dry and clean, 0.4~0.8MPa			
Data interface	RS485			
Operation temperature	-20~45°C			
Power supply	110~220V, 50/60Hz			
Dimension (L×W×H)	200×180×490mm			
Weight	4.5kg			

- Can store 10 measuring programs, and the program can be switched quickly
- Data storage function, support manual and automatic storing, 1500 groups data can be stored
- Automatic grouping function for workpiece sorting



STANDARD DELIVERY

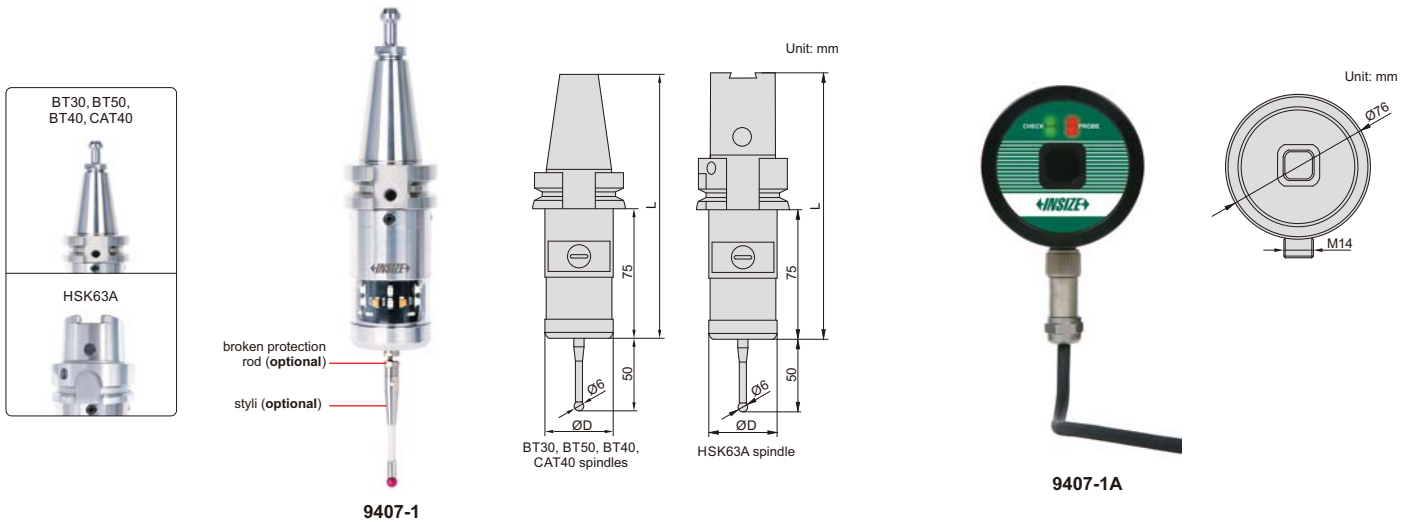
Main unit	1 pc
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OPTIONAL ACCESSORY

Air filter	9401-FILTER-A
Pressure regulating valve	9404-PRV
RS485 cable	9408-CB
Foot switch	9408-FS
Data output cable (keyboard format)	7302-9404

OPTICAL TRANSMISSION PROBES FOR CNC MACHINE TOOLS

IP68
WATERPROOF



- On-machine measurement
- Multi-channel transmission between probes and receivers, for anti-interference
- Transmit three kinds of signals: trigger, contact and low battery voltage
- With spindle protection function
- Optical transmission range: 1m, 3m, 5m
- Automatic power off in 3 seconds, move styli to power on



OPTICAL PROBE SPECIFICATION

Code	9407-1	9407-2	9407-3	9407-4	9407-5
List Price (₹)	201632	230414	209021	208130	210508
Promotion Price (₹)	191550	218893	198570	197724	199983
Probe length (L)	146mm	228mm	180mm	180mm	149mm
Probe diameter (ØD)	40mm	46.5mm	40mm	40mm	40mm
Trigger accuracy of styli in any direction	1µm				
Protection stroke triggered by styli in all directions	X and Y axis stroke: ±12.5°, Z axis stroke: 5mm				
Trigger force of styli in all directions	X and Y axis: 0.9N, Z axis: 6N				
Applicable spindle *	BT30	BT50	BT40	CAT40	HSK63A
Dust/waterproof	IP68				
Power supply	2×LS14250 lithium battery				

*SK and ISO series spindles also can be customized

RECEIVER SPECIFICATION

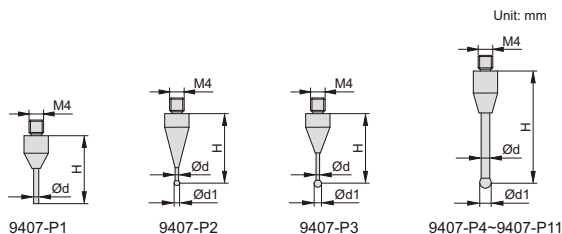
Code	9407-1A
List Price (₹)	85299
Promotion Price (₹)	81034
Protection function	low battery voltage or probe transmitting signal all the time **
Applicable probe	code 9407-1, 9407-2, 9407-3, 9407-4, 9407-5
Cable length	5m
Dust/waterproof	IP68

** When the battery voltage is low or the probe transmits signal all the time, the receiver will send a signal to the machine tool to stop working



To be continued

Continued from previous page



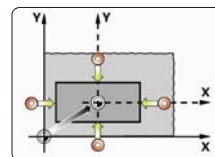
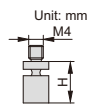
STYLI (OPTIONAL)

(mm)

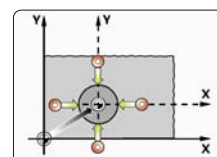
Code	H	Ød	Ød1	Material of measuring face
9407-P1	20	1	—	carbide
9407-P2	19.5	0.7	1	ruby
9407-P3	19	1.4	2	ruby
9407-P4	20	0.7	1	ruby
9407-P5	20	1.5	2	ruby
9407-P6	20	2	3	ruby
9407-P7	20	2	4	ruby
9407-P8	50	3	4	ruby
9407-P9	50	3.8	5	ruby
9407-P10	50	4.5	6	ruby
9407-P11	75	3.8	5	ruby

BROKEN PROTECTION ROD (OPTIONAL)

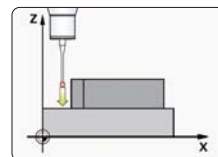
Code	H
9407-R1	12mm
9407-R2	20mm



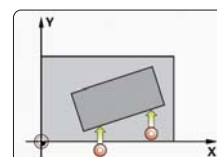
find center of rectangular boss



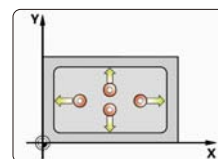
find center of the round boss



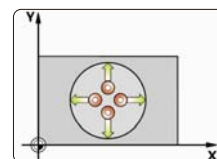
measure position of point on any axis



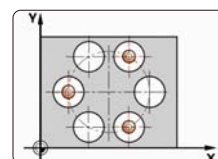
measure inclination of line



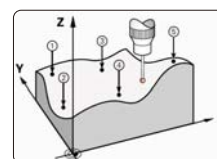
measure rectangular cavity



measure round cavity

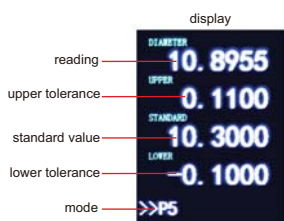


measure center of holes

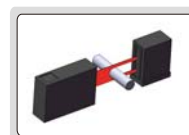


measure freeform surfaces

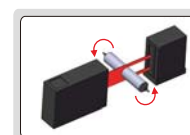
LASER SCAN MICROMETER CODE LDM-030



LDM-030



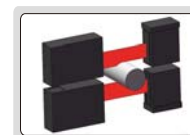
measure external diameter



measure ellipticity and run-out



two-axis measurement

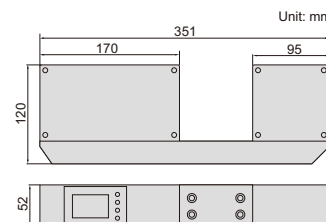


large size measurement

- Measure external diameter, ellipticity, run-out, maximum diameter of tools, etc.
- Can be used for transparent or non transparent workpieces
- Tolerance measurement
- Online or offline measurement
- Connected with computer and PLC

SPECIFICATION

List Price (₹)	ON REQUEST
Promotion Price (₹)	ON REQUEST
Measuring range	0.1~30mm
Resolution	0.01/0.1/1/10/100µm selectable
25°C accuracy	±(0.5+10%D)µm, D is measuring diameter in mm
Repeatability	±(0.3+5%D)µm, D is measuring diameter in mm
Laser wave length	650nm
Measuring speed	800~3200times/s (adjustable)
Operation temperature	0~50°C
Operation humidity	35~85RH without condensation
Output	dual channel RS485
Alarm output	24V, 1A
Power supply	DC24V, 2A
Dimension (L×W×H)	351×52×120mm
Weight	5kg



calibration gage (optional)

STANDARD DELIVERY

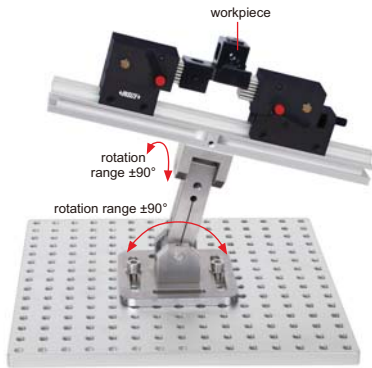
Main unit	1 pc
V-block	1 pc
AC/DC adapter	1 pc
RS485 cable	1 pc

OPTIONAL ACCESSORY

Calibration gage	custom made
------------------	-------------

JIGS FOR CMM (ANVIL Ø2.5mm)

CAN BE CUSTOMIZED



ISY-200



ISY-200-1



ISY-200-2



ISY-200-3



ISY-200-4



ISY-200-5



ISY-200-6

List Price (₹)	168918
Promotion Price (₹)	152026

Code	Product	Remark
ISY-200	jig set	Including 1pc ISY-200-1, 1 pc ISY-200-2, 1 pc ISY-200-3, 1 pc ISY-200-4, 1 pc ISY-200-5 and 2 pcs ISY-200-6



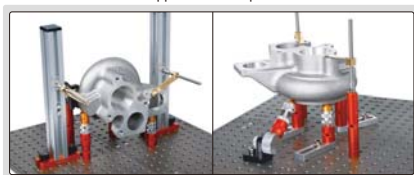
Code	Product	Size (mm)	Anvil area (mm)	Anvil stroke (mm)
ISY-200-1	spring anvil	60×40×57	20.5×23	14
ISY-200-2	adjustable spring anvil (range 0-20mm)	70×40×57	20.5×23	14

Code	Product	Size (mm)
ISY-200-4	guide	300×40×27
ISY-200-5	two-way adjustable stand	110×110×142
ISY-200-6	clamp handle	—

Code	Product	Size (mm)	Hole size (mm)
ISY-200-3	base plate	300×300×12	M8

JIG SET FOR CMM CODE ISY-100

application examples



ISY-100

List Price (₹)	178890
Promotion Price (₹)	143112











To be continued

Continued from previous page

Product	Code	Size (mm)	Quantity	Application
stand 	ISY-100-1001	Ø16×30	5	
	ISY-100-1002	Ø16×50	5	
	ISY-100-1003	Ø16×100	3	
stand 	ISY-100-1004	Ø20×30	5	
	ISY-100-1005	Ø20×50	5	
	ISY-100-1006	Ø20×100	3	
stand with fine adjustment 	ISY-100-2001	Ø16×45~60	2	height adjustment: 45~60mm
stand with fine adjustment 	ISY-100-2003	Ø20×45~60	2	
horizontal spring stand 	ISY-100-4001	—	2	
horizontal screw stand 	ISY-100-5001	—	2	
magnetic stand (magnetic top surface) 	ISY-100-7001	Ø20×25	3	
stand for slice parts 	ISY-100-8001	Ø20×25	2	ISY-100-8001 and ISY-100-8002 use cooperatively 
clamping stand for slice parts 	ISY-100-8002		1	
clip 	ISY-100-1201	—	2	
clip 	ISY-100-1301	—	2	
clip stand 	ISY-100-1401	Ø6×60	2	
	ISY-100-1402	Ø6×100	2	
vertical square column 	ISY-100-3003	30×30×250	2	
sliding support plate 	ISY-100-1801	78×20×10	3	
clamping screw 	ISY-100-2301	Ø8×20	6	
screw 	ISY-100-2302	Ø8×20	6	
base plate 	ISY-600-400200	400×400×12 hole size: M8×1.25 hole center distance: 20	2 pieces	—

Product	Code	Size (mm)	Quantity	Application
wrench 	ISY-100-3701	Ø3.8×70	1	—
wrench 	ISY-100-3801	M2.5	1	—
	ISY-100-3802	M5	1	—
	ISY-100-3803	M6	1	—
45° stand 	ISY-100-9001	—	2	
V shaped support 	ISY-100-1901	—	2	
V shaped support 	ISY-100-1902	—	2	
marker 	ISY-6100-1501	—	52*	
dust cleaner 	ISY-100-3501	—	1	—
lubricating oil 	ISY-100-3601	—	1	—

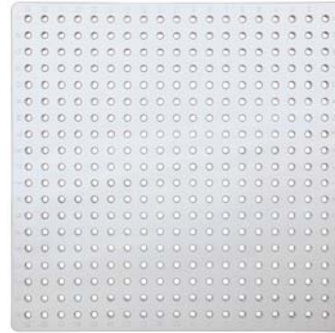
* Letter A~Z, number 0~25

Product	Code	Quantity	Material	Application
support head 	ISY-100-27016	2	aluminum	
	ISY-100-27018	2	nylon	
support head 	ISY-100-27026	2	aluminum	
	ISY-100-27028	2	nylon	
support head 	ISY-100-27036	2	aluminum	
	ISY-100-27038	2	nylon	
support head 	ISY-100-27046	2	aluminum	
	ISY-100-27048	2	nylon	
support head 	ISY-100-27056	2	aluminum	
	ISY-100-27058	2	nylon	
support head 	ISY-100-27066	2	aluminum	
	ISY-100-27068	2	nylon	
support head 	ISY-100-27076	2	aluminum	
	ISY-100-27078	2	nylon	

JIG SET FOR CMM CODE ISY-600



acrylic tray (included)



ISY-600

application example



List Price (₹)	127964
Promotion Price (₹)	115168

Product	Code	Size (mm)	Quantity
stand 	ISY-600-80001	Ø12×50	6
	ISY-600-80002	Ø12×30	6
	ISY-600-80007	Ø12×20	6
stand 	ISY-600-80003	Ø16×50	6
	ISY-600-80004	Ø16×30	6
	ISY-600-80008	Ø16×20	6
stand 	ISY-600-80005	Ø20×50	6
	ISY-600-80006	Ø20×30	6
	ISY-600-80009	Ø20×20	6
spring stand 	ISY-600-800010	—	2
universal support with damping 	ISY-600-800012	—	2
stand with fine adjustment 	ISY-600-800013	Ø20×55~78	2
magnetic stand (magnetic top surface) 	ISY-600-800014	Ø20×20	4
stand for slice parts 	ISY-600-800015	Ø20×20	2
adaptor 	ISY-600-800016	Ø20×15	6
clamping screw for base plate 	ISY-600-800017	—	2

Product	Code	Size (mm)	Quantity
V shaped support 	ISY-600-800018	Ø20×25	2
clamping screw 	ISY-600-800019	—	6
sliding support plate 	ISY-600-800020	68×20×10	6
clip 	ISY-600-800021	12×70	5
chuck support 	ISY-600-800022	—	2
clip stand 	ISY-600-800023	Ø6×80	2
	ISY-600-800024	Ø6×40	3
aluminum support head 	ISY-600-800025	—	3
nylon support head 	ISY-600-800026	—	3
wrench 	ISY-600-800027	Ø8×48	2
base plate 	ISY-600-800028	400×400×15 hole size: M8×1.25	1



Tool Presetters
Page 156



Profile Projectors
Page 157



Quick Measurement Systems
Page 158



Vision Measuring Systems
Page 159-161



Jig Sets For Vision Measuring Systems
Page 162



TOOL PRESETTER (BASIC TYPE) CODE TLP-300H



- Absolute linear scales, zero setting is not needed after power on and off



standard rod (included)



BT50/BT40 converter (optional)



BT50/BT30 converter (optional)

SPECIFICATION

List Price (₹)	467543
Promotion Price (₹)	427856
Maximum tool diameter (X axis)	Ø300mm
Height measuring range	60~300mm
Repeatability	0.005mm
Measuring accuracy	0.02mm
Linear scale resolution	0.005mm
Dial indicator graduation	0.01mm
Spindle holder	BT50
Power supply	110/220V, 50/60HZ
Dimension (L×W×H)	600x365x690mm
Weight	68kg

STANDARD DELIVERY

Main unit	1 pc
BT50 spindle holder	1 pc
Standard rod	1 pc
Dial indicator	2 pcs
Wrench	1 set
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

BT50/BT30 converter	TLP-300H-C1
BT50/BT40 converter	TLP-300H-C2

**PROFILE PROJECTOR
CODE ISP-Z3015**



OPTIONAL ACCESSORY



SPECIFICATION

List Price (₹)		ON REQUEST			
Promotion Price (₹)		ON REQUEST			
Lens	magnification	10X (included)	20X (optional)	50X (optional)	100X (optional)
	view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm
	working distance	77.7mm	44.3mm	38.4mm	25.3mm
Max. workpiece height		90mm	90mm	90mm	90mm
Magnification accuracy		±0.08%			
Image		erect image			
Projector screen		diameter: Ø300mm			
		rotation range: 0°~360°, resolution: 1" or 0.01°			
		reference lines: cross-hairs			
Stage	metal stage size	340×152mm			
	glass stage size	196×96mm			
	X-Y stage travel	range: 150×50mm			
		resolution: 0.5µm			
	Z (focus) travel range	accuracy: (4+L/25)µm L is the measuring length in mm			
max. load capacity	90mm				
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable			
		surface illumination: 24V/150W halogen lamp			
Data processing unit	display	X-Y stage travel, screen rotation			
	output	RS232C			
Data processing unit	function	<input type="checkbox"/> measure coordinate of point <input type="checkbox"/> measure coordinate of line <input type="checkbox"/> measure center coordinate, radius of circle with three points <input type="checkbox"/> measure distance between two objects <input type="checkbox"/> measure angle with four points or two lines <input type="checkbox"/> set origin of coordinate <input type="checkbox"/> coordinate transform <input type="checkbox"/> set midpoint of coordinate			
		Power supply			
		110/220V, 50/60Hz			
		Dimension (L×W×H)			
		550×770×1100mm			
		Weight			
		135kg			

STANDARD DELIVERY

Main unit	1 pc
10X lens with half-reflection mirror and oblique illuminator mirror	1 pc
Overlay chart clip	4 pcs
Foot-switch	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

20X lens with half-reflection mirror and oblique illuminator mirror	ISP-Z3015-LENS20X
50X lens with half-reflection mirror	ISP-Z3015-LENS50X
100X lens with half-reflection mirror	ISP-Z3015-LENS100X
Rotary table	ISP-Z3015-TABLE
Overlay chart	ISP-Z3015-CHART
Holder with clamp	ISP-Z3015-HOLDER
Swivel center support	ISP-Z3015-SUPPORT
V-block with clamp	ISP-Z3015-VBLOCK
50mm reading scale	ISP-Z3015-SCALE50
300mm calibration scale	ISP-Z3015-RULE
Blue filter	ISP-Z3015-FILTER
Demo sample	ISP-Z3015-DEMO

QUICK MEASUREMENT SYSTEM (WITHOUT STITCHING) CODE QMS-A110

NOTE: NOT SUITABLE FOR MEASURING SMALL SIZES SUCH AS THREADS, CHAMFERS, ETC



- One or more workpieces can be measured by one step operation
- Place workpieces at any position
- Focus and measure automatically
- Measurement of 999+ dimensions and 200+ workpieces
- Suitable for measuring small flat parts



SPECIFICATION

List Price (₹)	ON REQUEST	
Promotion Price (₹)	ON REQUEST	
Optical lens	low-distortion lens, single-field telecentric Ø100mm	
View field range	100×80mm	
Measurement range (X×Y)	98×78mm	
Measurement accuracy *	±3µm	
Repeatability	±1µm	
Max. weight of workpiece	5kg	
Measurement time	<2s	
Measurement data	2D measurement	
Power supply	220V, 50Hz, 600W	
Illumination system	back light	telecentric illuminator, green light
	ring light	4-zone circular white high light circular (directional) low-angle green light (electric)
	coaxial light (optional)	vertical illuminator, white light
Environmental requirement	temperature: 20°C±2°C, relative humidity: 30%~80%, vibration: <0.002g, less than 15Hz	
Dimension (L×W×H)	580×235×790mm	
Weight	40kg	

* The optimum temperature is 20°C±1°C
Within 80×64mm, on focal position and environment temperature at 20°C±1°C

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Software	1 pc

OPTIONAL ACCESSORY

Coaxial light illumination	QMS-23-A3
Data transmission function of software	QMS-23-D1
CAD import function of software	QMS-23-C1
Foot-switch	QMS-43-FS1
11.6" LCD	QMS-23-B1 (must be installed in factory)



11.6" LCD (optional)

Software (included)

- Automatically measure widths, holes, rings, angles at the same time, simple and efficient.
- Measuring result can be stored automatically. OK items and NG items can be counted automatically.



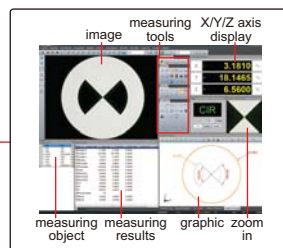
VISION MEASURING SYSTEMS

**INSPECTION
CERTIFICATE**



ISD-V250A

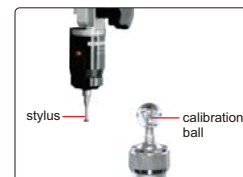
computer is included



lens with coaxial light (optional, must be installed in factory)

SPECIFICATION

Code	ISD-V150A	ISD-V250A	ISD-V300A
List Price (₹)	ON REQUEST	ON REQUEST	ON REQUEST
Promotion Price (₹)	ON REQUEST	ON REQUEST	ON REQUEST
Measuring range (X×Y×Z)	150×100×150mm	250×150×150mm	300×200×150mm
Stage size	354×228mm	450×280mm	500×330mm
Glass stage size	210×160mm	306×196mm	350×250mm
Resolution of X/Y/Z axis	0.5µm		
Accuracy of X/Y axis	≤(3.5+L/100)µm (L is the measuring length in mm)		
Repeatability of X/Y axis	2µm		
Objective	0.7X~4.5X (zoom)		
Working distance	92mm		
Magnification	33X~195X (on 19" monitor)		
Camera	1/3" color CCD, 0.3M pixel		
Illumination	surface and contour with adjustable LED		
Max. height of workpiece	150mm		
Max. weight of workpiece	20kg		
Operation system	Windows 7/8/10		
Drive method	manual		
Power supply	110/220V, 50/60Hz		
Dimension (L×W×H)	560×540×850mm	760×600×900mm	760×600×900mm
Weight	100kg	120kg	140kg



probe (optional), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Foot switch	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

0.5X auxiliary objective	code: ISD-V-OB05X working distance: 175mm magnification: 16.5~97.5X (on 19" monitor)
2X auxiliary objective	code: ISD-V-OB2X working distance: 36mm magnification: 66~390X (on 19" monitor)
Probe	code: ISD-V-PROBE includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Vision measuring system with coaxial light lens (with computer)	code ISD-V150ACL, ISD-V250ACL, ISD-V300ACL
Office software	code 7313-OFFICE

SOFTWARE

- Operation system: Windows 7/8/10
- Language: English
- Single measuring tools:

- measure coordinate of point
- measure center coordinate and axis length of ellipse
- measure length of open curve
- measure distance of two elements

- measure center coordinate, diameter and area of circle
- measure length, width and area of rectangle
- measure length and area of closed curve

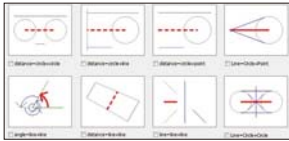
- measure distance between two points
- measure length, width and diameter of key slot
- measure angle of two lines

- measure length and diameter of arc
- measure width and diameter of ring
- measure focus distance of surface

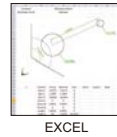
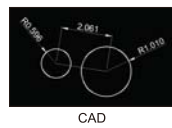
To be continued

Continued from previous page

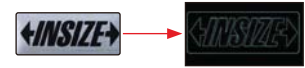
■ Measuring and element construct methods:



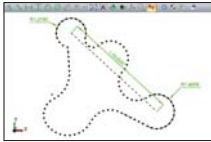
■ Sent to CAD, EXCEL, WORD



■ Profile detection:



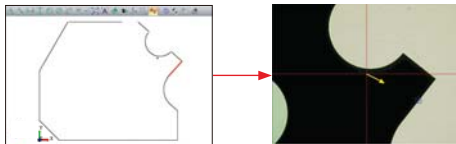
■ Contour scanning:



■ Edge-detection:

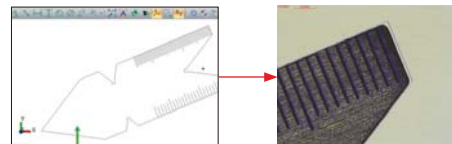


■ CAD measuring:



import CAD drawing, set the datum, establish coordinate system, then the software will automatically measure

■ CAD comparison:

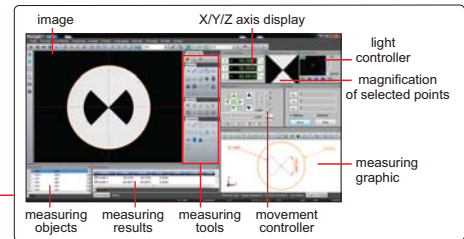


import CAD drawing, then compare with real-time image

CNC VISION MEASURING SYSTEM



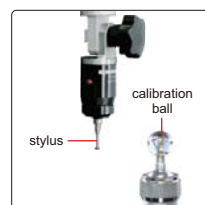
ISD-V220CNCA



- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
- Servo motors for X, Y, Z axis
- SPC function for large quantity measurement
- Measuring software is included

STANDARD DELIVERY

Main unit	1 pc
Software	1 pc
Computer	1 pc
24" display	1 pc
Len with coaxial light	1 pc
Controller	1 pc
Calibration glass chart	1 pc
Laser positioner	1 pc
Clay	1 pc
Anti-dust cover	1 pc



probe (optional), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm



laser probe (optional) measuring accuracy is 5µm

To be continued

Continued from previous page

SPECIFICATION

Code (manual zoom lens)	ISD-V220CNCA	
List Price (₹)	ON REQUEST	
Promotion Price (₹)	ON REQUEST	
Measuring range (X×Y×Z)	220×120×150mm	
Stage size	450×280mm	
Glass stage size	306×196mm	
Resolution of X/Y/Z axis	0.5μm	
Accuracy of X/Y axis	≤(2.5+L/100)μm (L is the measuring length in mm)	
Repeatability of X/Y axis	2μm	
Objective	0.7X~4.5X (zoom)	
Working distance	92mm	
Magnification	33.0X~208.6X (with manual zoom lens, on 24" monitor); 31.9X~188.7X (with motorized zoom lens, on 24" monitor)	
Camera	giga-bit network camera	
Illumination	surface	coaxial light, programmable segmented ring light
	contour	adjustable LED light
View field (diagonal length)	1.5~10.8mm	
Max. height of workpiece	150mm	
Max. weight of workpiece	30kg	
Operation system	Windows 7/8/10	
Drive method	automatic	
Power supply	220V, 50/60Hz	
Dimension (L×W×H)	760×600×900mm	
Weight	146kg	

OPTIONAL ACCESSORY

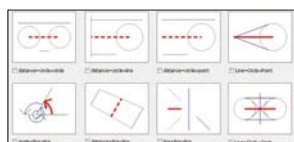
0.5X auxiliary objective	code: ISD-V-OB05X working distance: 175mm magnification: 16.5~104.3X (with manual zoom lens, on 24" monitor), 16.0~94.4X (with motorized zoom lens, on 24" monitor)
2X auxiliary objective	code: ISD-V-OB2X working distance: 36mm magnification: 66~417.2X (with manual zoom lens, on 24" monitor), 63.8~377.4X (with motorized zoom lens, on 24" monitor)
Probe	code: ISD-V-PROBE includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Laser probe	code: ISD-V-LASER
Office software	code: 7313-OFFICE
Desk	code: ISD-V-DESK

SOFTWARE

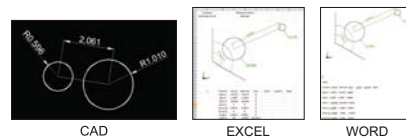
- **Operation system:** Windows 7/8/10
- **Language:** English
- **Single measuring tools:**

- | | | | |
|--|--|--|------------------------------------|
| measure coordinate of point | measure center coordinate, diameter and area of circle | measure distance between two points | measure length and diameter of arc |
| measure center coordinate and axis length of ellipse | measure length, width and area of rectangle | measure length, width and diameter of key slot | measure width and diameter of ring |
| measure length of open curve | measure length and area of closed curve | measure angle of two lines | measure focus distance of surface |
| measure distance of two elements | | | |

■ **Measuring and element construct methods:**



■ **Sent to CAD, EXCEL, WORD**



■ **Contour scanning:**



■ **Profile detection:**



■ **Edge-detection:**

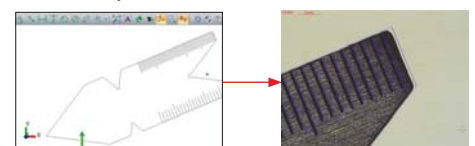


■ **CAD measuring:**



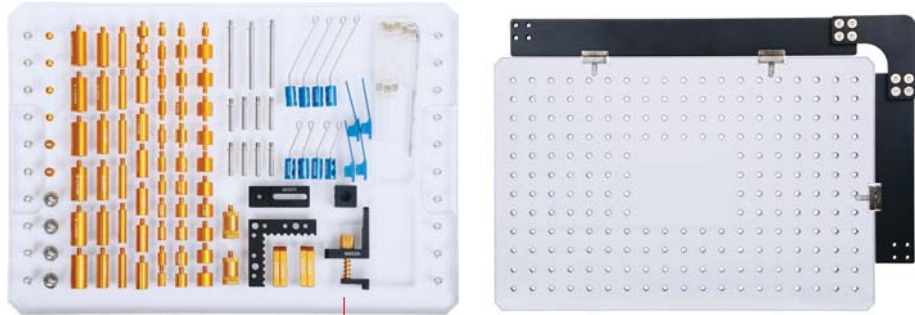
import CAD drawing, set the datum, establish coordinate system, then the software will automatically measure

■ **CAD comparison:**



import CAD drawing, then compare with real-time image

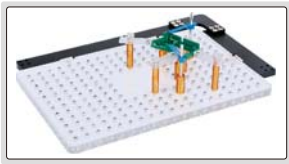
JIG SET FOR VISION MEASURING SYSTEMS CODE ISY-700



acrylic tray (included)

ISY-700

application example



List Price (₹)	137557
Promotion Price (₹)	123801

Product	Code	Size (mm)	Quantity
clip	ISY-700-90001	7×34	4
clip	ISY-700-90002	Ø1.5×24	4
	ISY-700-90003	Ø1.5×50	4
clip stand	ISY-700-90004	Ø4×20	8
	ISY-700-90005	Ø4×46	3
spherical support head	ISY-700-90006	—	4
stand	ISY-700-90007	Ø6×10	6
	ISY-700-90008	Ø6×25	6
	ISY-700-90019	Ø6×6	3
stand	ISY-700-90009	Ø9×7	3
	ISY-700-90010	Ø9×10	6
	ISY-700-90011	Ø9×20	6
	ISY-700-90012	Ø9×25	6
stand	ISY-700-90013	Ø12×10	6
	ISY-700-90014	Ø12×25	6
stand for slice parts	ISY-700-90015	Ø6×10	4
	ISY-700-90016	Ø9×10	4
	ISY-700-90017	Ø12×10	4
stand with fine adjustment	ISY-700-90018	Ø12×20~25	2

Product	Code	Size (mm)	Quantity
adapter for square support	ISY-700-90020	—	2
clamping screw	ISY-700-90021	—	4
L-shaped positioning plate	ISY-700-90022	50×50×6	1
sliding support plate	ISY-700-90023	30×12×5	4
square support	ISY-700-90024	20×16×16	1
base for square support	ISY-700-90025	45×16×6	1
spring stand	ISY-700-90026	—	1
acrylic sliding support plate	ISY-700-90028	45×12×5	8
wrench	ISY-700-90029	M3	1
acrylic base plate	ISY-700-90030	300×200×12 hole size: M4×0.7	1



Toolmaker Microscopes
Page 164-165



Digital Microscopes
Page 165-174



Cutting Tools Microscopes
Page 170



Metallurgical Microscopes
Page 175-176



Zoom Stereo Microscopes
Page 176-178



Portable Measuring Microscopes
Page 179



Table Magnifiers With Illumination
Page 179-180



Digital Magnifiers
Page 180



Magnifiers
Page 180-182



Telescoping Inspection Mirrors
Page 183

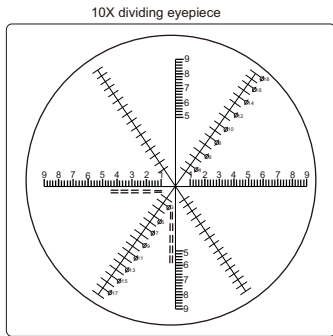


Telescoping Pick-up
Page 183

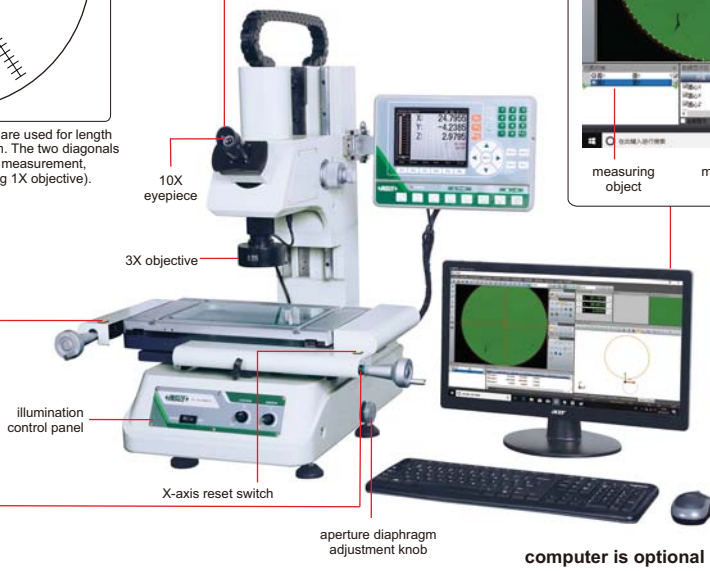
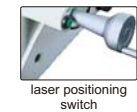
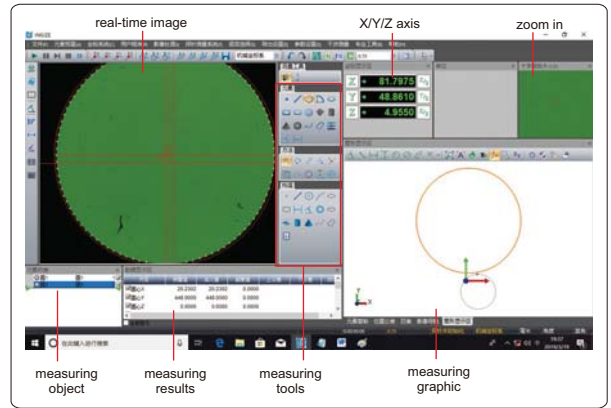


Videoscopes
Page 184-186

TOOLMAKER MICROSCOPE



the horizontal and vertical scale lines are used for length measurement, the graduation is 0.2mm. The two diagonal scale lines are used for diameter measurement, the graduation is 1mm (when using 1X objective).



SPECIFICATION

Code	ISD-VMM205D (monocular)
List Price (₹)	ON REQUEST
Promotion Price (₹)	ON REQUEST
X/Y axis travel	150×100mm
Z axis travel	150mm
Metal stage size	354×228mm
Glass stage size	210×160mm
Resolution of X/Y/Z axis	0.5µm
Accuracy of X/Y axis	≤(3.5+L/100)µm (L is the measuring length in mm)
Repeatability	2µm
Camera	1/3" color CCD, 0.3M pixel
Optical magnification	30X (with 3X objective)
Image magnification	114X (on 19" monitor)
Illumination	surface and contour with adjustable LED
Max. weight of workpiece	25kg
Power supply	100V~240V, 50/60Hz
Operation system	Windows 7/8/10
Drive method	manual
Dimension (L×W×H)	540×667×850mm
Weight	100kg

OPTIONAL ACCESSORY

1X objective	ISD-VMM-LENS1X
5X objective	ISD-VMM-LENS5X
10X objective	ISD-VMM-LENS10X
Toolmaker microscopes (with computer)	code: ISD-VMM205DA (monocular)

SOFTWARE

- Operation system: Windows 7/8/10
- Language: English
- Single measuring tools:

- | | | | | |
|----------------------------------|--|--|------------------------------------|--|
| measure coordinate of point | measure center coordinate, diameter and area of circle | measure distance between two points | measure length and diameter of arc | measure center coordinate and axis length of ellipse |
| measure length of open curve | measure length, width and area of rectangle | measure length, width and diameter of key slot | measure width and diameter of ring | |
| measure distance of two elements | measure length and area of closed curve | measure angle of two lines | measure focus distance of urface | |

STANDARD DELIVERY

Main unit	1 pc
Video card with dongle	1 pc
Software disc	1 pc
Calibration glass chart	1 pc
Demo sample	1 pc
Foot switch	1 pc
3X objective	1 pc

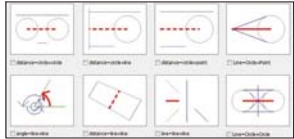
DATA PROCESSING UNIT

Output	RS232
Function	simple measuring tools
	measure coordinate of points
	measure lines
	measure center coordinate, radius of circle with three points
	measure distances between two objects
	measure angles
	set origin of coordinate
	skew and calibrate the workpiece
	measure rectangle (including length, width, perimeter and center coordinate)
	measure thread (including thread diameter, screw pitch, screw angle)
	measure slot (including center coordinate, length, width)

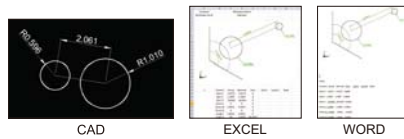
To be continued

Continued from previous page

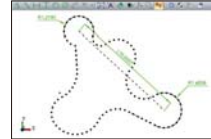
■ Measuring and element construct methods:



■ Sent to CAD, EXCEL, WORD



■ Contour scanning:



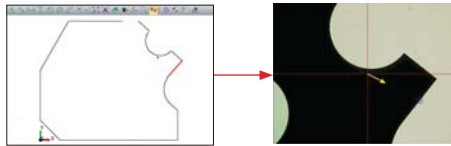
■ Profile detection:



■ Edge-detection:

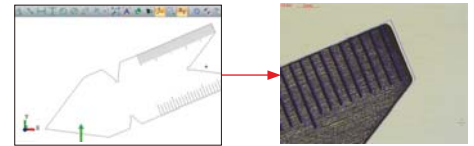


■ CAD measuring:



import CAD drawing, set the datum, establish coordinate system, then the software will automatically measure

■ CAD comparison:



import CAD drawing, then compare with real-time image

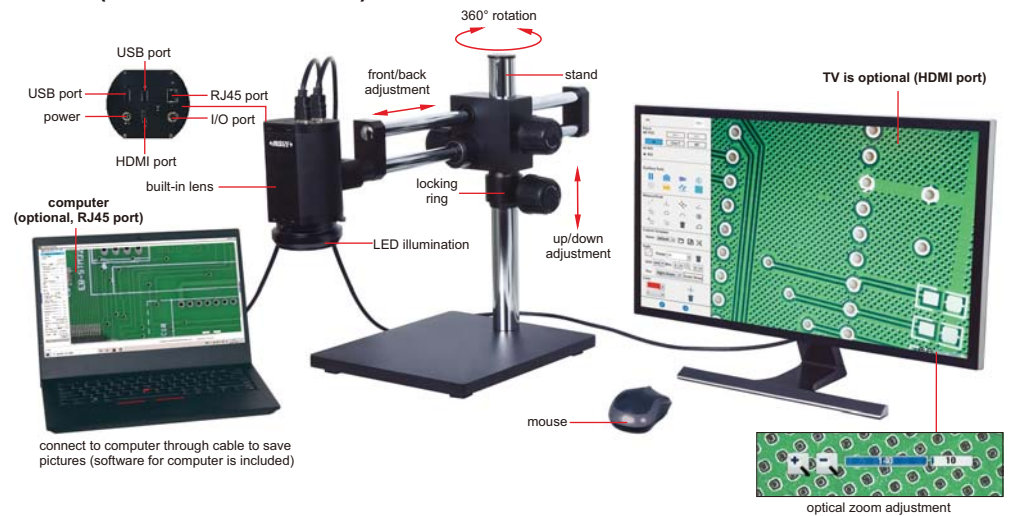
AUTO FOCUS DIGITAL MICROSCOPE (LARGE VIEW FIELD) CODE 5302-AF105

CAN BE CONNECTED TO PC AND TV AT THE SAME TIME

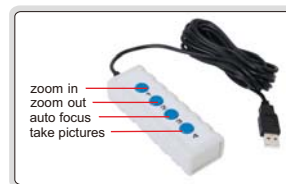
TAKE PICTURES AND VIDEOS

MEASUREMENT

AUTO FOCUS



connect to computer through cable to save pictures (software for computer is included)



controller (optional, for TV)

- Auto focus camera
- Take pictures and videos
- Can be connected to TV (HDMI port) and computer (RJ45 port) at the same time
- Built-in measuring software for TV
- Measuring software for computers is included
- Automatic exposure and white balance
- Brightness, contrast ratio, gain are adjustable
- Display cross hair (blue/green/red /yellow/black/brown colors)

SPECIFICATION

Code	5302-AF105 (standard type)
List Price (₹)	158221
Promotion Price (₹)	143660
Pixel	2M
Resolution	1920×1080
Magnification	1.4X~25.8X (on 28" TV)
Sensor	1/2.8" CMOS
Auto focus distance	100mm~∞
Output	HDMI, RJ45
Frame rate	HDMI: 60fps, RJ45: 50fps
Power supply	power adapter
Dimension (L×W×H)	500×280×410mm
Weight	17kg

VIEW FIELD

Focus distance	Adjustable magnification (on 28" TV)	View field
100mm	3.9~25.8X	24×14~168×91mm
150mm	2.6~20X	30×17~240×128mm
200mm	2.1~17X	37×20~315×170mm
250mm	1.7~14.7X	42×24~385×210mm
270mm	1.4~14X	43×25~415×225mm

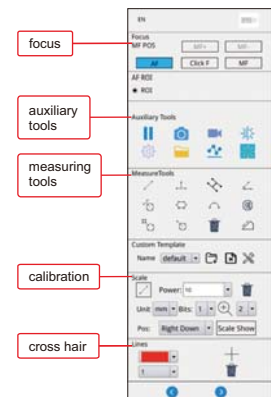
STANDARD DELIVERY

Main unit (with stand)	1 pc
LED illumination	1 pc
16G USB flash disk	1 pc
Mouse	1 pc
HDMI cable (for TV)	1 pc
Network cable (for computer)	1 pc
Switch	1 pc
Software for computer	1 pc
Power adapter	2 pcs

MEASURING ACCURACY

Optical magnification	Measuring accuracy
2X	±0.1mm
4X	±0.1mm
6X	±0.04mm
8X	±0.02mm
14X	±0.02mm
/	±0.02mm

TV SOFTWARE (INCLUDED)



OPTIONAL ACCESSORY

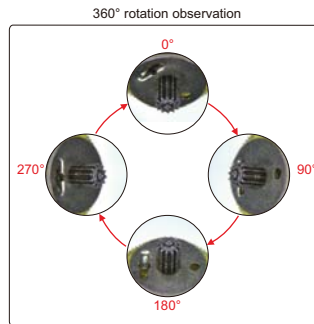
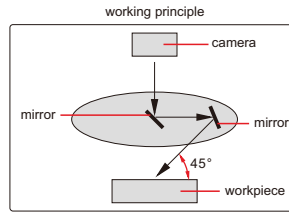
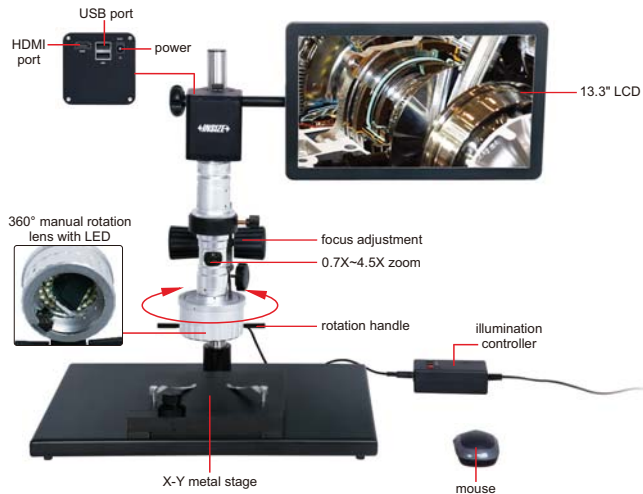
28" 4K TV	5302-AF-TV28
32" 4K TV	5302-AF-TV32
Computer	5302-AF-COMPUTER
Controller	5302-AF-CONTROLLER

3D MANUAL ROTATION MICROSCOPE (WITH DISPLAY) CODE 5313-S407



SUITABLE TO CHECK CONVEX OBJECTS
AND WALL OF HOLES

TAKE PICTURES
AND VIDEOS



SPECIFICATION

List Price (₹)	199214
Promotion Price (₹)	185269
Magnification	18X~120X
View field	2.4×1.5mm~16×9mm
Focus distance	20mm
View angle	45°
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Power supply	220V, 50/60Hz
Dimension (L×W×H)	570×300×430mm
Weight	10kg

STANDARD DELIVERY

Main unit	1 pc
X-Y metal stage	1 pc
16G USB flash disk	1 pc
White/black plate	1 pc
Mouse	1 pc
Power adapter	2 pcs

DIGITAL MEASURING MICROSCOPE (WITH DISPLAY, BASIC TYPE) CODE 5318-MD60

MEASUREMENT

TAKE
PICTURES

BUILT-IN SOFTWARE
WITHOUT COMPUTER

- 1080P high-definition image
- Built-in software without computer, operated by mouse
- Take pictures, save to USB flash disk
- Measurement results can be sent to Excel
- Brightness, contrast ratio, gain are adjustable

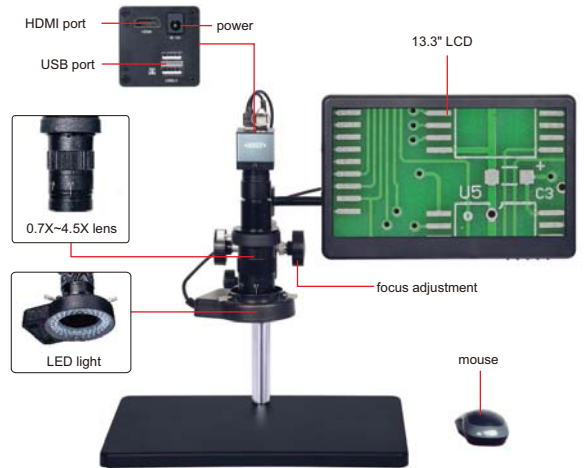
POPULAR
MODEL

SPECIFICATION

List Price (₹)	50597
Promotion Price (₹)	49079
Magnification	12.5X~80X
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Measuring accuracy	±0.02mm
Lines	cross lines, scale lines (number, color and position of lines are adjustable)
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	380×260×350mm
Weight	4.5kg

STANDARD DELIVERY

Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
White/black plate	1 pc
Glass calibration rule	1 pc
16G USB flash disk	1 pc
Mouse	1 pc
HDMI cable	1 pc
Power adapter	3 pcs



glass calibration rule (graduation 0.1mm, included)



white/black plate (included)



16G USB flash disk (included)

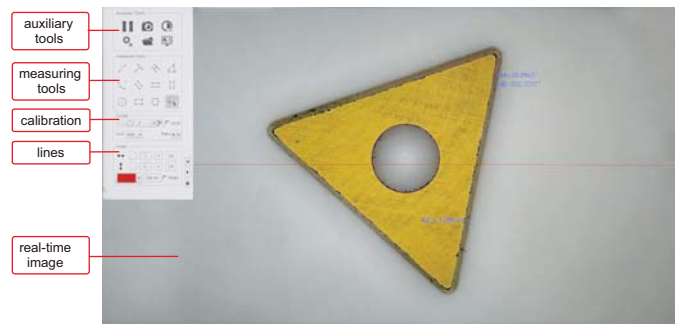
MAGNIFICATION AND VIEW FIELD

Auxiliary objective	Specification	Camera adapter 0.5X (included)
0.5X (optional)	magnification	6.2~40X
	view field	47×26~7.4×4mm
1X (included)	magnification	12.5~80X
	view field	23.5×13~3.7×2mm
2X (optional)	magnification	25~160X
	view field	11.8×6.5~1.8×1mm

OPTIONAL ACCESSORY

0.5X auxiliary objective	5318-OB05X
2X auxiliary objective	5318-OB2X

MEASURING SOFTWARE (INCLUDED)

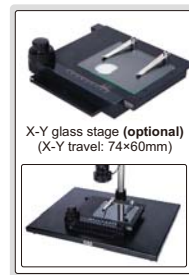
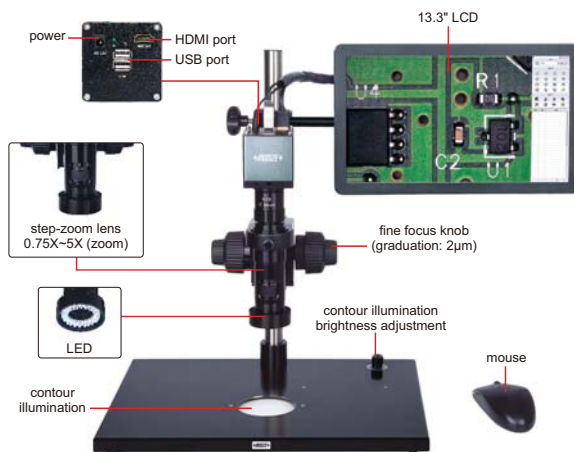


DIGITAL MEASURING MICROSCOPE (WITH DISPLAY)

MEASUREMENT

BUILT-IN SOFTWARE
WITHOUT COMPUTER

TAKE PICTURES



- 1080P high-definition image
- Built-in software without computer, operation by mouse
- Take pictures, saved to USB flash disk
- Measurement results can be output to Excel
- Automatic white balance and exposure
- Brightness, contrast ratio, gain are adjustable

ISM-DL301 (with contour illumination)

SPECIFICATION

Code	ISM-DL301 (with contour illumination)
List Price (₹)	182030
Promotion Price (₹)	157996
Magnification	15X~100X
Sensor	1/2" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	570×300×430mm
Weight	6.5kg



16G USB flash disk
(included)



calibration plate
(included)



1X auxiliary objective
(included)



0.5X camera adapter
(included)



1X camera adapter
(optional)



2X auxiliary objective
(optional)

STANDARD DELIVERY

Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
Calibration plate	1 pc
16G USB flash disk	1 pc
White/black plate	1 pc
Mouse	1 pc
HDMI cable	1 pc
Power adapter	3 pcs

MAGNIFICATION AND MEASURING ACCURACY

Objective magnification	Image magnification	Measuring accuracy
0.75X	15X	±8µm
1X	20X	±7µm
1.5X	30X	±6µm
2X	40X	±6µm
2.5X	50X	±6µm
3X	60X	±5µm
3.5X	70X	±5µm
4X	80X	±4µm
4.5X	90X	±4µm
5X	100X	±4µm

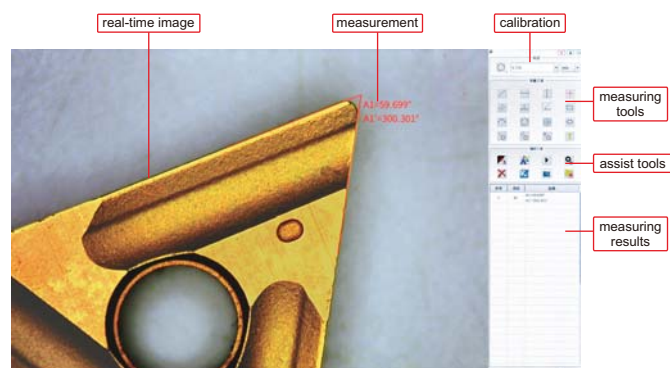
OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
X-Y glass stage (travel: 74×60mm)	ISM-DL-STAGE
X-Y metal stage	ISM-DL-STAGE1
LED light	see details
Auxiliary objective	see details

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

Auxiliary Objective	specification	Camera adapter	
		0.5X (included)	1X (optional)
1X (included)	magnification	15~100X	30~200X
	focus distance	70±2mm	70±2mm
	view field	16×11~2.5×1.6mm	7.8×5.3~1.2×0.8mm
2X (optional)	magnification	30~200X	60~400X
	focus distance	29±2mm	29±2mm
	view field	7.8×5.3~1.2×0.8mm	3.8×2.7~0.6×0.4mm

SOFTWARE (INCLUDED)



HORIZONTAL MICROSCOPE (WITH DISPLAY) CODE 5316-HM810

- 1080P high-definition image
- Built-in software without computer, operated by mouse
- Take pictures, save to USB flash disk
- Automatic white balance and exposure
- Brightness, contrast ratio, gain are adjustable
- Display cross hair (blue/green/red /yellow/black/brown colors)

BUILT-IN SOFTWARE
WITHOUT COMPUTER

TAKE
PICTURES



SPECIFICATION

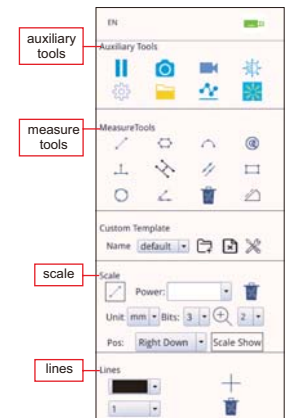
List Price (₹)	207406
Promotion Price (₹)	197036
Magnification	10.5X-62.5X
View field	4.5×2.5-28×12.3mm
Focus distance	115mm
Measuring accuracy	±0.02mm
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	1080P: 60fps/50fps
Output	HDMI
Power supply	110/220V, 50/60Hz
Dimension (L×W×H)	500×200×200mm
Weight	7kg

STANDARD DELIVERY

Main unit	1 pc
1X camera adapter	1 pc
1X auxiliary adapter	1 pc
Plastic calibration rule	1 pc
16G USB flash disk	1 pc
Mouse	1 pc
LED ring light	1 pc



SOFTWARE (INCLUDED)



FLEXIBLE ARM AUTO FOCUS DIGITAL MICROSCOPES (WITH DISPLAY)

AUTO FOCUS

TAKE PICTURES
AND VIDEOS

MEASUREMENT



5317-AF109

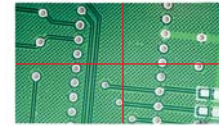


5317-AF110

To be continued

Continued from previous page

- 1080P high-definition image
- Auto focus camera
- Take pictures and videos, saved to USB flash disk
- Picture review, picture compare
- Automatic exposure and white balance
- Brightness, contrast ratio, gain are adjustable
- Display cross hair (blue/green/red/yellow/black/brown colors)
- Built-in software without computer, operation by mouse
- Flexible arm



display cross hair (blue/green/red /yellow/black/brown colors)

SPECIFICATION

Code	5317-AF109 (with magnetic stand)	5317-AF110 (with desktop clamp)
List Price (₹)	ON REQUEST	ON REQUEST
Promotion Price (₹)	ON REQUEST	ON REQUEST
Magnification	20X~123X	
Sensor	1/2.8" CMOS	
Pixel	2M	
Resolution	1920×1080	
Frame rate	60fps	
Power supply	power adapter	
Dimension (height)	480mm	600mm
Weight	5.6kg	8.5kg



16G USB flash disk (included)



calibration plate (included)



1X auxiliary objective (included)



0.5X camera adapter (included)

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

Auxiliary objective	Specification	Camera adapter	
		0.5X (included)	1X (optional)
1X (included)	magnification	20~123X	40~246X
	focus distance	48~84mm	48~84mm
	view field	13×7~2.2×1mm	6.3×3.5~1.1×0.5mm
	measuring accuracy	±0.02mm	±0.02mm
2X (optional)	magnification	40~246X	80~492X
	focus distance	24~42mm	24~42mm
	view field	6.5×3.5~1.1×0.5mm	3.3×1.8~0.6×0.3mm
	measuring accuracy	±0.02mm	±0.02mm

STANDARD DELIVERY

Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
Calibration plate	1 pc
16G USB flash disk	1 pc
White/black plate	1 pc
Mouse	1 pc
HDMI cable	1 pc
Power adapter	2 pcs

AUTO FOCUS DISTANCE

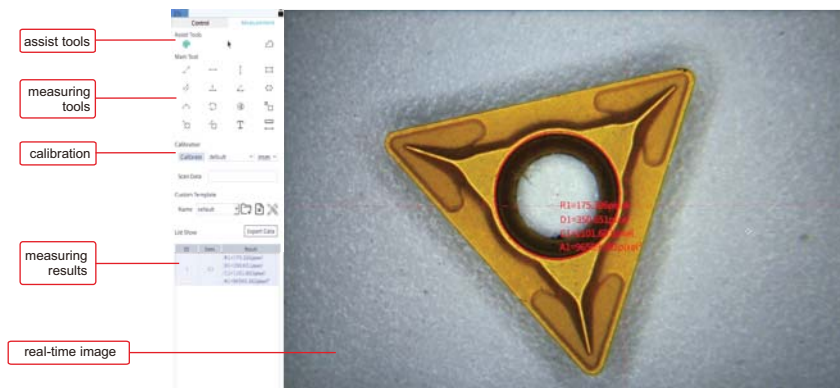
Zoom objective scale	0.75X	1X	1.5X	2X	2.5X
Auto focus distance	48~84mm	50~78mm	55~73mm	62~71mm	65~70mm

Zoom objective scale	3X	3.5X	4X	4.5X	5X
Auto focus distance	66~70mm	67~70mm	68~70mm	68~70mm	68~70mm

OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
Auxiliary objective	see details

MEASURING SOFTWARE (INCLUDED)



DIGITAL MEASURING MICROSCOPE (WITH DISPLAY) CODE 5307-ID100A

- Electronic magnification feedback lens: when the objective lens magnification is changed manually, the software automatically selects the corresponding pre-calibration data and calibration is not needed
- Two methods of LED brightness adjustment, knob adjustment and software adjustment
- Built-in software without computer, operated by mouse
- Take pictures, save to USB flash disk
- Measuring results can be sent to Excel



ELECTRONIC MAGNIFICATION
FEEDBACK LENS

BUILT-IN SOFTWARE
WITHOUT COMPUTER



adjustable display angle



SPECIFICATION

List Price (₹)	174846
Promotion Price (₹)	155644
Sensor	1/2" CMOS
Pixel	2M
Resolution	1920×1080
Magnification	12~77X
Focus distance	100mm
View field	2.7×1.9~17.5×11.9mm
Max workpiece height	60mm
Frame rate	60fps
Output	USB/HDMI
Power supply	power adapter
Dimension (L×W×H)	610×610×660mm
Weight	4.5kg

STANDARD DELIVERY

Main unit	1 pc
Calibration plate	1 pc
Power adapter	1 pc
Mouse	1 pc
16G USB flash disk	1 pc

OPTIONAL ACCESSORY

0.5X auxiliary objective	5307-ID100A-OB05X
0.75X auxiliary objective	5307-ID100A-OB075X
2X auxiliary objective	5307-ID100A-OB2X

MAGNIFICATION AND MEASURING ACCURACY

Objective magnification	Magnification	Measuring accuracy
0.7X	12X	±9μm
1X	17X	±9μm
1.5X	26X	±8μm
2X	35X	±7μm
2.5X	43X	±7μm
3X	51X	±7μm
3.5X	60X	±6μm
4X	68X	±6μm
4.5X	77X	±5μm

CUTTING TOOLS MICROSCOPE (WITH DISPLAY) CODE ISM-CT820

BUILT-IN SOFTWARE
WITHOUT COMPUTER

TAKE PICTURES
AND VIDEOS

SPLIT SCREEN
DESIGN

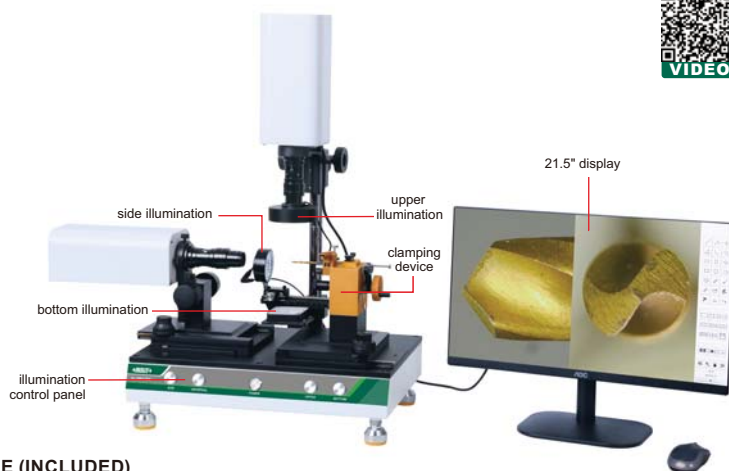
- Split screen design, zoom in and out independently
- One mouse can operate two cameras
- Display cross hairs
- Brightness, contrast ratio, white balance are adjustable
- Basic measuring tools including point to point, point to line, line to line, angle, three-point circle, etc.

SPECIFICATION

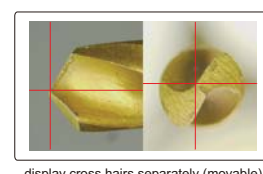
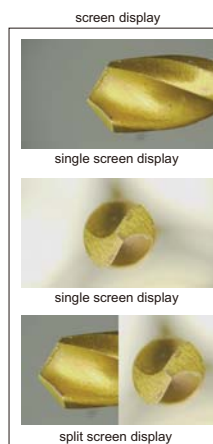
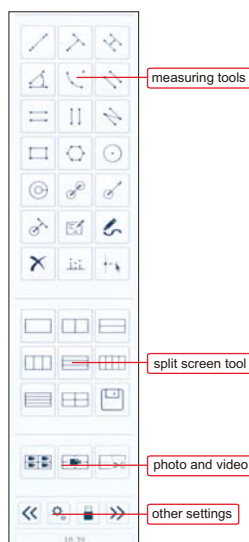
List Price (₹)	ON REQUEST
Promotion Price (₹)	ON REQUEST
Cutting tools range	Ø3~10mm, length 30-75mm
Lens	step-zoom lens
Output	HDMI
Resolution	1920×1080
Frame rate	60fps
Focus distance	85mm
View field	0.9×1.5~5.5×10mm
Magnification	45-290X
Power supply	AC 100-240V
Dimension (L×W×H)	450×300×700mm
Weight	20kg

STANDARD DELIVERY

Main unit	1 pc
Display	1 pc
32G USB flash disk	1 pc
Mouse	1 pc
HDMI cable	1 pc
Glass calibration plate	1 pc
Anti-dust cover	1 pc



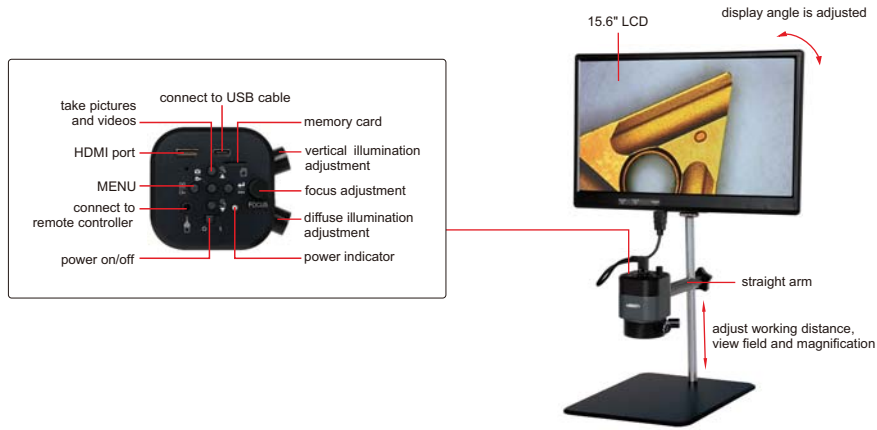
SOFTWARE (INCLUDED)



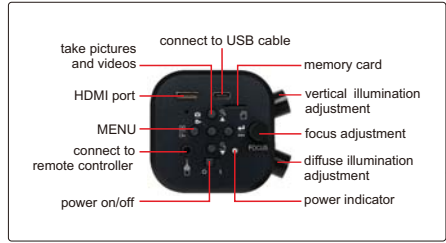
DIGITAL MICROSCOPE

MEASUREMENT

TAKE PICTURES AND VIDEOS



5309-DM50



- Independent control of vertical illumination and diffuse illumination
- Back focus adjustment extends working distance
- Take pictures and videos, save to memory card



remote controller (included)



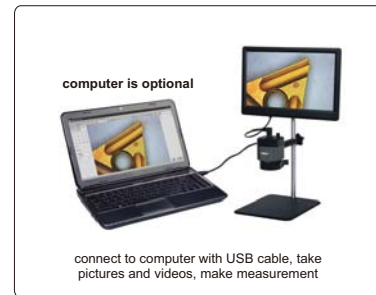
white/black plate (included)



plastic calibration rule (graduation 1mm, included)

SPECIFICATION

Code	5309-DM50
List Price (₹)	75622
Promotion Price (₹)	71841
Arm type	straight
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Exposure	real-time auto, single auto, manual adjustment
White balance	real-time auto, single auto, manual RGB adjustment
Record format	pictures: JPG videos: MOV
Record media	memory card
Working distance	45~169mm
Magnification	9~41X
View field	7.6×4~38.5×21.7mm
Power supply	DC12V 3A



STANDARD DELIVERY

Main unit	1 pc
Memory card and holder	1 pc
Plastic calibration rule (graduation 1mm)	1 pc
White/black plate	1 pc
Remote controller	1 pc
USB cable	1 pc
Measuring software	1 pc
Power adapter	1 pc

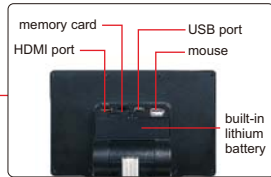
USE COMPUTERS, OPTIONAL

Image magnification	View field	Measuring accuracy
9.0X	38.5×21.7mm	±0.02mm
13.0X	26.6×15.0mm	±0.02mm
17.0X	20.5×11.7mm	±0.02mm
22.0X	16.0×9.0mm	±0.02mm
28.5X	11.9×6.3mm	±0.02mm
34.0X	9.8×5.5mm	±0.01mm
41.0X	7.6×4.1mm	±0.01mm

MINI DIGITAL MICROSCOPE (ECONOMIC TYPE) CODE 5311-M710

TAKE PICTURES AND VIDEOS

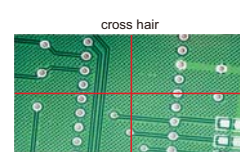
BUILT-IN LITHIUM BATTERY



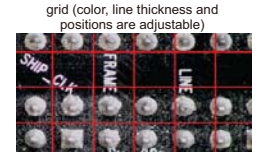
8G memory card and holder (included)



infrared ray remote controller (included)



cross hair



grid (color, line thickness and positions are adjustable)

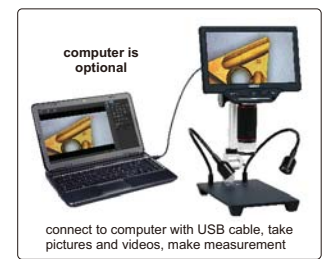
SPECIFICATION

List Price (₹)	28997
Promotion Price (₹)	26488
Display resolution	1024×600
Sensor	1/3" CMOS
Sensor resolution	1280×960
Single pixel size	2µm×2µm
Frame rate	60fps/30fps
Magnification	1X~16X
White balance	auto/manual (10 levels RGB)/calibration
Exposure control	AE lock/exposure compensation (10 levels)
Image control	contrast/saturation/sharpness
Record media	memory card
Output	HDMI
Power supply	built-in lithium battery/power adapter
Dimension(L×W×H)	174×200×350mm
Weight	1.5kg

SOFTWARE FOR COMPUTER (included)

- Language: Chinese (Simplified), English
- Operation system: Windows 7/8/8.1/10 (64bit)
- Port: USB2.0 or above
- Measuring accuracy: 0.02mm

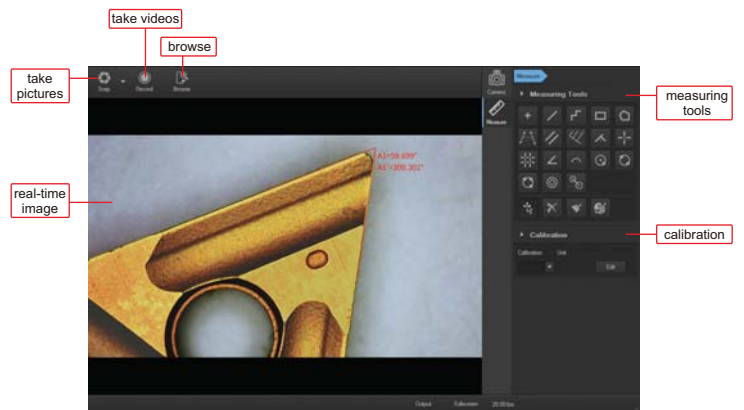
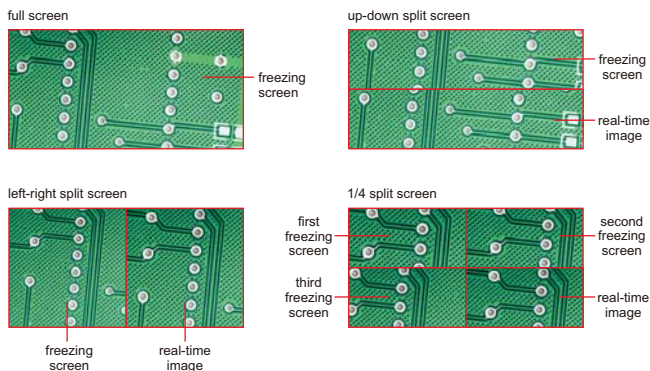
- point counting
- center distance of 2 circles
- straight line length
- radius of a circle
- continuous line length
- cross line
- area of a rectangle
- double cross line
- area of a polygon
- angle
- distance between 2 lines
- arc
- point-line distance
- distance between parallel lines
- distance between line and first parallel line
- center distance of concentric circle
- radius of a 2-point circle
- radius of a 3-point circle



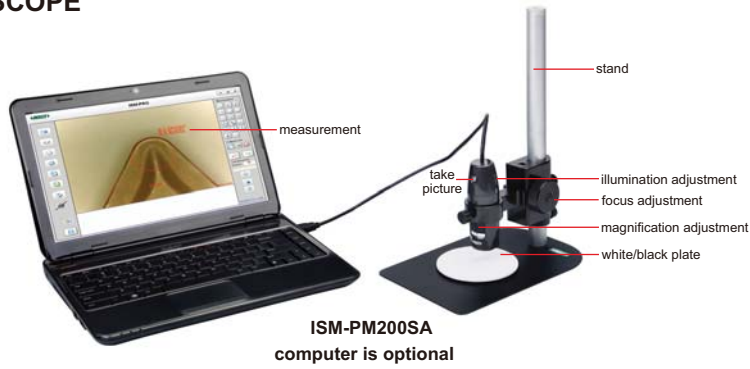
STANDARD DELIVERY

Main unit	1 pc
USB cable	1 pc
HDMI cable	1 pc
IR remote controller	1 pc
8G memory card and holder	1 pc
Plastic calibration rule	1 pc
Power adapter	1 pc

Screen freezing:



DIGITAL MEASURING MICROSCOPE



software flash disk (included)

- Can take pictures and videos
- Supplied with software
- Calibration rules (graduation 0.1 and 1mm) are included
- With focus support

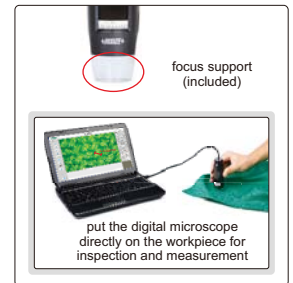
ISM-PM200SA
computer is optional

SPECIFICATION

Code	ISM-PM200SA
List Price (₹)	21028
Promotion Price (₹)	15946
Magnification	10X~200X
Stand	standard
Pixel	2M (resolution: 1600×1200)
Illumination	built-in adjustable LED
Power supply	USB 2.0 cable (voltage required: 5±0.1V)



filter (optional)



focus support (included)

put the digital microscope directly on the workpiece for inspection and measurement

MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

Magnification	Focus distance	View field (mm)	Accuracy
50X	21mm	8.1×6.4	30μm
100X	13mm	3.9×3.1	15μm
150X	16mm	2.6×2.1	10μm
200X	19mm	1.8×1.5	8μm

OPTIONAL ACCESSORY

Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE

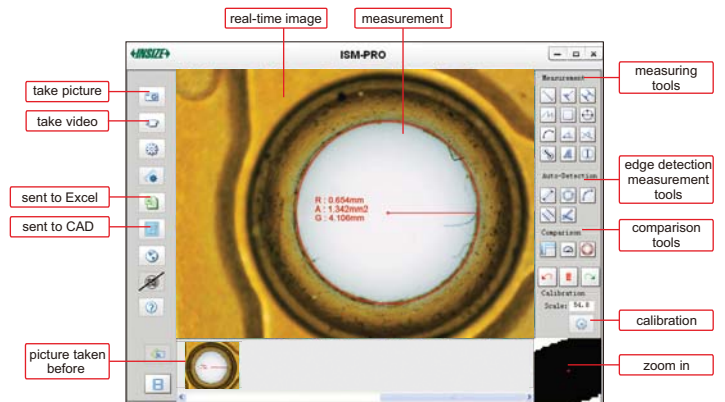
SOFTWARE

- **Language:** English, Japanese, Korean, German, Turkey, Portuguese, Chinese
- **Operation system:** Windows 7/8/XP/Vista
- **Measurement tools:**

- measure length of line or distance between two points
- measure distance between point and line
- measure distance between two parallel lines
- measure length of continuous line
- measure area of rectangle
- measure radius, girth and area of circle
- measure radius, length and angle of arc
- measure distance between two circles
- measure angle with three points
- measure angle with two lines
- add text
- add number with circle

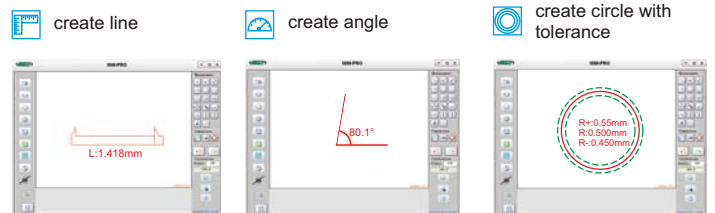
■ Edge detection measurement tools:

- detect line automatically, and calculate length
- detect arc automatically, and calculate radius, angle and arc length
- detect two lines automatically, and calculate angle
- detect circle automatically, and calculate radius, girth and area
- detect two parallel lines automatically, and calculate distance



■ Comparison tools:

Create line, angle or circle with desired size, to compare with workpieces.



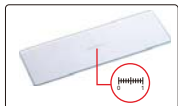
■ Data sent to CAD or Excel:



WiFi DIGITAL MEASURING MICROSCOPE CODE ISM-WF200



plastic calibration rule
(graduation 1mm, included)



glass calibration rule
(graduation 0.1mm, included)



software flash disk
(included)

- Maximum working distance is 5m under WiFi mode
- Can be connected to multiple iPads, Android devices or computers at the same time under WiFi mode
- Take pictures and videos
- Supplied with software

SPECIFICATION

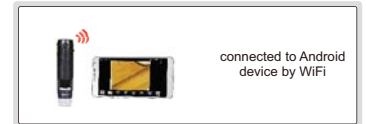
List Price (₹)	16690
Promotion Price (₹)	15577
Magnification	10X~200X
Pixel	1.3M (resolution: 1280x1024)
Illumination	built-in adjustable LED
Power supply	built-in rechargeable battery

STANDARD DELIVERY

Microscope	1 pc
Focus support ring for 80X/150X	1 pc
Focus support ring for 60X/200X	1 pc
Glass calibration rule (graduation 0.1mm)	1 pc
Plastic calibration rule (graduation 1mm)	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

OPTIONAL ACCESSORY

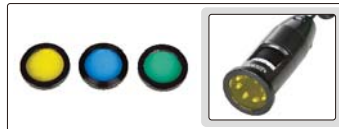
Stand	ISM-PM-STAND
Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE



stand (code ISM-PM-STAND, optional)



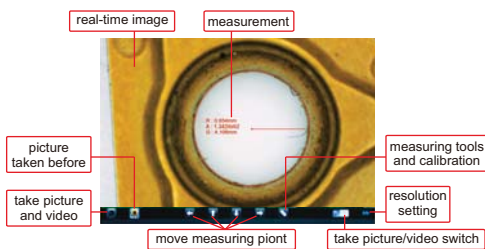
filter (optional)



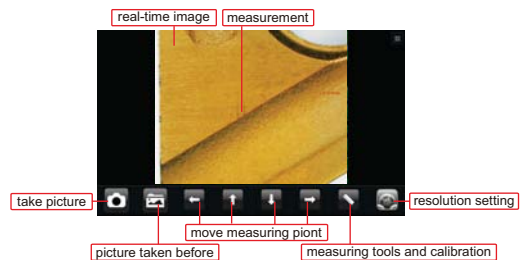
MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

Magnification	Focus distance	View field	Accuracy
50X	21mm	8.1×6.4mm	30μm
100X	13mm	3.9×3.1mm	15μm
150X	16mm	2.6×2.1mm	10μm
200X	19mm	1.8×1.5mm	8μm

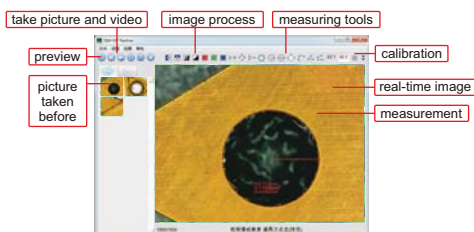
1 Software ISM-PAD (for iPad by WiFi)



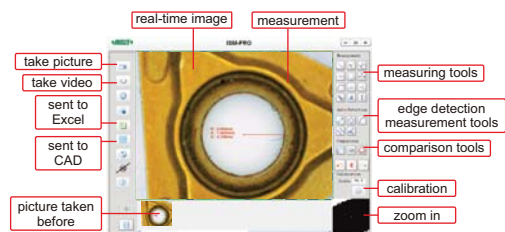
2 Software ISM-APK (for Android devices by WiFi)



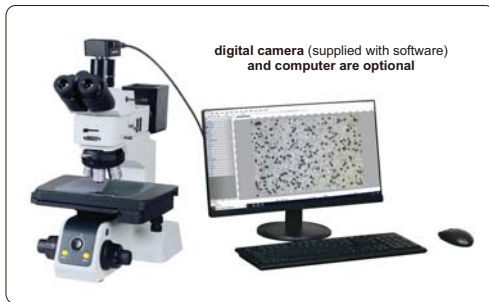
3 Software ISM-WF Partner (for computer by WiFi)



4 Software ISM-PRO (for computer by USB cable)



METALLURGICAL MICROSCOPES (PROFESSIONAL TYPE)



5108-M3000

- Infinite chromatic aberration correction optical system
- Three way observation tube with infinite hinge
- Translucent and reflective frame, front low-hand position coarse and fine coaxial focus adjustment mechanism, with adjustment elastic device to prevent sliding and random upper limit device
- Bright and dark field five-hole converter with DIC slot
- Adopt digital dimming, with light intensity reset and setting function
- With polarizer insert plate and 360° rotating analyzer insert slot

SPECIFICATION

Code	5108-M3000 (standard type)				5108-M3000H (high-definition type)			
List Price (₹)	ON REQUEST				ON REQUEST			
Promotion Price (₹)	ON REQUEST				ON REQUEST			
Eyepiece	high eye point large field SWH10X-H (view field: Ø25mm, adjustable visibility)							
Objective (infinite long working distance bright and dark field semi achromatic)	5X	10X	20X	50X	5X	10X	20X	50X
Working distance	15mm	8.4mm	10.3mm	3.0mm	20mm	11mm	3.0mm	1.0mm
Numerical aperture	0.15	0.30	0.40	0.75	0.15	0.30	0.45	0.80
Optical magnification	50X~500X (up to 1000X with optional 100X objective)							
Digital magnification	170X~1700X (on 21.5" monitor), up to 3400X with optional 100X objective							
Stage	double layer							
	size: 310×240mm							
	travel: 150×100mm							
Condenser	roll-out achromatic condenser (numerical aperture 0.9)							
Illumination	5W LED, transmitted and reflected							
Observation tube	inverse image, distance adjustment: 50~76mm, two grade spectral ratio binocular: trinocular=100:0							
Diopter adjustment	±5 diopter (two eyepieces)							
Power supply	AC 100-240V							
Dimension (L×W×H)	310×600×500mm							
Weight	27kg							

OPTIONAL ACCESSORY

Camera and software	ISM-CM63
Glass calibration rule	ISM-MAS-SCALE
Computer	5108-M-COMPUTER
2.5X infinite long working distance bright field semi achromatic objective	5108-M-OB2D5X
100X infinite long working distance bright and dark field semi achromatic objective	5108-M-BD100X
50X infinite long working distance bright and dark field achromatic objective	5108-M-APO50X
100X infinite long working distance bright and dark field achromatic objective	5108-M-APO100X
Differential interference module (DIC)	5108-M-DIC

STANDARD DELIVERY

Main unit	1 pc
Anti-dust cover	1 pc
0.65X camera adapter (adjustable focus)	1 pc
Polarizer and analyzer	1 pc of each

METALLURGICAL MICROSCOPE



VIDEO

- Infinite optical system, polarization observation
- Kohler illumination system provides uniform illumination field
- Objectives 50X, 100X are spring type

SPECIFICATION

Code	5103-M1000 (bright field objectives)			
List Price (₹)	215344			
Promotion Price (₹)	208884			
Illumination	6V/30W halogen lamp, brightness is adjustable			
Objective (infinite plan achromatic)	bright field objectives			
	10X	20X	50X	100X
Working distance	20.2mm	8.80mm	3.68mm	0.40mm
Numerical aperture	0.25	0.40	0.70	0.85
Magnification	100X~1000X			
Eyeiece (wide field)	10X (view field: Ø22mm)			
	double layer			
Stage	size: 242×200mm travel: 30x30mm			
Pupil distance	53~75mm			
Diopter adjustment	±5 diopter (one eyepiece)			
Power supply	220V, 50/60Hz			
Dimension (L×W×H)	614×250×394mm			
Weight	13kg			



5103-M1000

STANDARD DELIVERY

Main unit	1 pc
Polarizer and analyzer	1 pc of each
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Bright field objective	PL5X	5101-M-OB5X
	PL40X	5101-M-OB40X
	PL60X	5101-M-OB60X
	PL80X	5101-M-OB80X
10X dividing eyepiece (0.1mm/div.)		5103-M-EPD10X
Camera adapter *		5101-M-ADAPTER
Digital camera		ISM-CM63

*Digital camera must be used with camera adapter

ZOOM STEREO MICROSCOPE (ADVANCED TYPE)

LARGE ZOOM RATIO



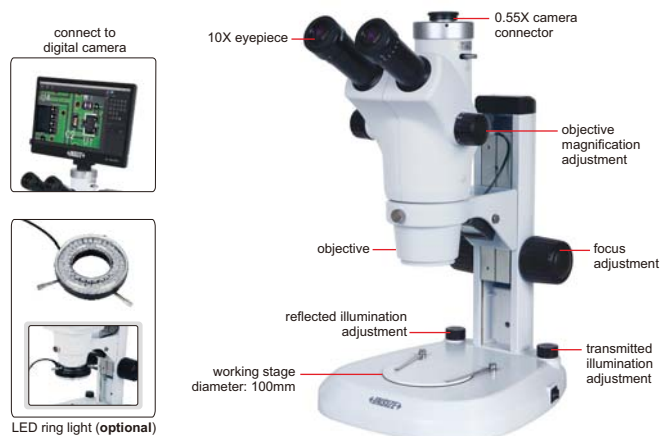
VIDEO

SPECIFICATION

Code	ISM-ZS100T
List Price (₹)	120639
Promotion Price (₹)	117020
Optical tube	trinocular
Eyeiece (wide field)	10X (view field: Ø23mm)
Objective	0.6X~5X (zoom)
Zoom ratio	1:8.3
Pupil distance	55~75mm
Diopter adjustment	±5 diopter (two eyepieces)
Working distance of objective	115mm
Max. workpiece height	75mm
Illumination	adjustable reflected and transmitted LED light
Power supply	110/220V, 50/60HZ
Dimension (L×W×H)	260×310×490mm
Weight	4.9kg

STANDARD DELIVERY

Main unit	1 pc
Digital camera adapter 0.55X	1 pc
WF10X eyepiece	2 pcs
Ø100mm glass plate	1 pc
Ø100mm white/black plate	1 pc
Anti-dust cover	1 pc



ISM-ZS100T

OPTIONAL ACCESSORY

Auxiliary objective	0.5X (focus distance: 220mm)	ISM-ZS100-OB05X *
	0.7X (focus distance: 125mm)	ISM-ZS100-OB07X
	2X (focus distance: 45mm)	ISM-ZS100-OB2X
Eyeiece	WF15X (view field: Ø16mm)	ISM-ZS100-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS100-EP20X
	WF30X (view field: Ø8mm)	ISM-ZS100-EP30X
Sleeve for auxiliary objective		ISM-ZS200-ADAPTER
LED ring light		ISM-ZSRL
Digital camera adapter 1X		ISM-ZS100-DA
Digital camera		ISM-CM20, ISM-CM63, ISM-ZS70-S

*0.5X auxiliary objective must be used with ISM-ZS200-ADAPTER

ZOOM STEREO MICROSCOPE (STANDARD TYPE)



SPECIFICATION

Code	ISM-ZS50
List Price (₹)	82205
Promotion Price (₹)	67093
Optical tube	binocular
Eyepiece (wide field)	10X (view field: Ø22mm)
Objective	0.8X~5X (zoom)
Zoom ratio	1:6.3
Pupil distance	55-75mm (adjustable)
Diopter adjustment	±5 diopter (two eyepieces)
Working distance of objective	115mm
Max. workpiece height	75mm
Illumination	adjustable reflected and transmitted LED light
Power supply	110/220V, 50/60Hz
Dimension (L×W×H)	290x260x480mm
Weight	4.9kg

STANDARD DELIVERY

Main unit	1 pc
WF10X eyepiece	2 pcs
Ø100mm glass plate	1 pc
Ø100mm white/black plate	1 pc
Anti-dust cover	1 pc



ISM-ZS50



LED ring light (optional)

OPTIONAL ACCESSORY

Auxiliary objective	0.5X	ISM-ZS50-OB05X*
	2X	ISM-ZS50-OB2X
Eyepiece	10X dividing eyepiece (graduation 0.1mm/div.)	ISM-ZS50-EPD10X
	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
LED ring light		ISM-ZS-RL
Sleeve for auxiliary objective		ISM-ZS30-ADAPTER

* 0.5X auxiliary objective must be used with ISM-ZS200-ADAPTER

ZOOM STEREO MICROSCOPE (WITH UNIVERSAL STAND)



SPECIFICATION

Code	5106-M50
List Price (₹)	94055
Promotion Price (₹)	82685
Optical tube	binocular
Eyepiece (wide field)	10X (view field: Ø22mm)
Objective	0.8X~5X (zoom)
Zoom ratio	1:6.3
Pupil distance	55~75mm
Diopter adjustment	±5 diopter (two eyepieces)
Working distance of objective	115mm
Max. workpiece height	300mm
Illumination	adjustable reflected LED ring light
Power supply	power adapter
Dimension (L×W×H)	790×230×430mm
Weight	20kg

STANDARD DELIVERY

Main unit (with stand)	1 pc
WF10X eyepiece	2 pcs
LED ring light	1 pc
Anti-dust cover	1 pc



5106-M50

OPTIONAL ACCESSORY

Auxiliary objective	0.5X	ISM-ZS50-OB05X*
	2X	ISM-ZS50-OB2X
Eyepiece	10X dividing eyepiece (0.1mm/div.)	ISM-ZS50-EPD10X
	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
Adapter sleeve		ISM-ZS30-ADAPTER

* 0.5X auxiliary objective must be used with ISM-ZS30-ADAPTER

ZOOM STEREO MICROSCOPE (BASIC TYPE) CODE ISM-ZS30



LED ring light (optional)



SPECIFICATION

List Price (₹)	39808
Promotion Price (₹)	32490
Optical tube	binocular
Eyepiece (wide field)	10X (view field: Ø20mm)
Objective	1X~4.5X (zoom)
Zoom ratio	1:4.5
Pupil distance	55~75mm (adjustable)
Diopter adjustment	±5 diopter (two eyepieces)
Working distance of objective	97mm
Max. workpiece height	60mm
Illumination	adjustable reflected and transmitted LED light
Power supply	110/220V, 50/60Hz
Dimension (L×W×H)	260×190×400mm
Weight	4.3kg

STANDARD DELIVERY

Main unit	1 pc
WF10X eyepiece	2 pcs
Ø95mm glass plate	1 pc
Ø95mm white/black plate	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Auxiliary objective	0.5X	ISM-ZS30-OB05X *
	0.63X	ISM-ZS30-OB06X *
	0.75X	ISM-ZS30-OB07X *
	2X	ISM-ZS30-OB2X
Eyepiece	10X dividing eyepiece (graduation 0.1mm/div.)	ISM-ZS30-EPD10X
	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
LED ring light		ISM-ZS-RL
Sleeve for auxiliary objective		ISM-ZS30-ADAPTER
Digital camera		ISM-CM63
Camera adapter 0.75X **		ISM-AD-0D75

* 0.5X, 0.63X and 0.75X auxiliary objectives must be used with ISM-ZS30-ADAPTER
** Digital camera must be used with camera adapter 0.75X

LONG WORKING DISTANCE STEREO MICROSCOPE (LOW MAGNIFICATION) CODE 5305-ZS80



SPECIFICATION

List Price (₹)	12214
Promotion Price (₹)	11603
Magnification	8X
Eyepiece (wide field)	10X (view field: Ø20mm)
Objective	0.8X
Pupil distance	55~75mm
Diopter adjustment	±5 diopter (one eyepiece)
Working distance of objective	115mm
Max. workpiece height	100mm
Dimension (L×W×H)	280x160x370mm
Weight	3.7kg

STANDARD DELIVERY

Main unit	1 pc
10X eyepieces	1 pair
0.8X objective	1 pc
Anti-dust cover	1 pc



LED ring light (optional)



OPTIONAL ACCESSORY

Eyepiece	WF5X (view field: Ø20mm)	5305-ZS80-EP5X
	WF15X (view field: Ø15mm)	5305-ZS80-EP15X
	WF20X (view field: Ø10mm)	5305-ZS80-EP20X
LED ring light		ISM-ZS-RL

PORTABLE MEASURING MICROSCOPE

SPECIFICATION

Code	ISM-PM100
List Price (₹)	9858
Promotion Price (₹)	9365
Total magnification	100X
Eyepiece	10X with graduation
Objective (achromatic)	10X (numerical aperture: 0.25)
Working distance	7mm
Graduation	0.01mm
Viewing field	Ø1.8mm
Focus range	30mm
Illumination	LED light
Diameter of base	Ø63mm
Height	210mm
Weight	650g

STANDARD DELIVERY

Main unit	1 pc
Pen light	1 pc
Battery (AAA)	2 pcs



ISM-PM100

TABLE MAGNIFIER WITH ILLUMINATION CODE 7517-3D

- Four steps brightness adjustment
- LED illumination, working life 20000h
- Resin lens

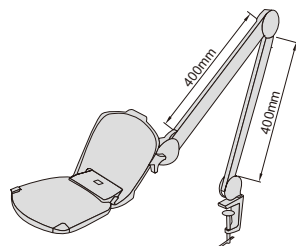
SPECIFICATION

List Price (₹)	3918
Promotion Price (₹)	3450
Magnification	1.75X
Diopter	3D
Lens diameter	Ø125mm
Illumination	power: 3W, illuminance: 260lm
Power supply	power adapter 12V, 1A



TABLE MAGNIFIERS WITH ILLUMINATION

- LED illumination, working life 20000h
- Resin lens



7520-320D

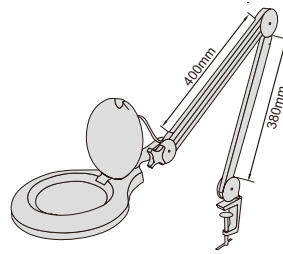
7521-3D

SPECIFICATION

Code	7520-320D	7521-3D
List Price (₹)	6596	5901
Promotion Price (₹)	5936	5311
Magnification	two magnifications 1.75X/6X	1.75X
Diopter	3D/20D	3D
Lens diameter	160×127mm	Ø126mm
Illumination	power: 6W, illumination: 550lm	
Power supply	power adapter 12V, 1A	

TABLE MAGNIFIER WITH ILLUMINATION CODE 7516-5D

- LED illumination, working life 20000h



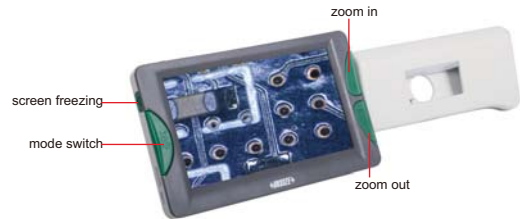
SPECIFICATION

List Price (₹)	4354
Promotion Price (₹)	3998
Magnification	2.25X
Diopter	5D
Lens diameter	Ø122mm
Illumination	power: 7W, illuminance: 420lm
Power supply	100~240V, 50~60Hz

DIGITAL MAGNIFIER CODE 7525-D4



- 720P60 camera
- Auto focus
- With screen freezing function
- 26 color modes can be switched to meet the needs of different people
- Port to TV
- Automatic shutdown after 3 minutes



SPECIFICATION

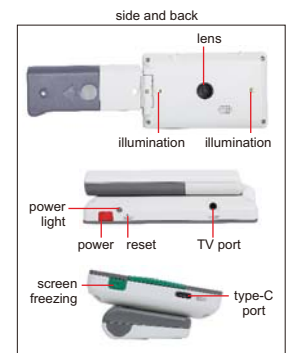
List Price (₹)	26786
Promotion Price (₹)	24108
Screen size	4.3 inch
Screen resolution	480x272
Magnification	2X-32X
Pixel	8M
Focus	manual/automatic
Color mode (26 modes)	color mode, color enhancement mode, negative mode, monochrome mode, black on white, white on black, blue on white, white on blue, yellow on black, black on yellow, yellow on blue, blue on yellow, green on white, white on green, orange on white, white on orange, red on black, black on red, orange on black, black on orange, yellow on green, green on yellow, red on white, white on red, yellow on white, white on yellow
Output	TV
Charging port	type-C
Lithium battery	1600MAH (for 4 hours working)
Dimension (LxWxH)	123x39x76mm (when the handle is folded)
Weight	210g

after the handle is folded, the magnifier can be directly placed on the object for observation



STANDARD DELIVERY

Main unit	1 pc
Video output cable	1 pc
USB charging cable	1 pc
Power adapter	1 pc

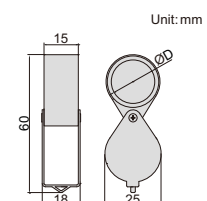


FOLDING MAGNIFIER

- Glass lens

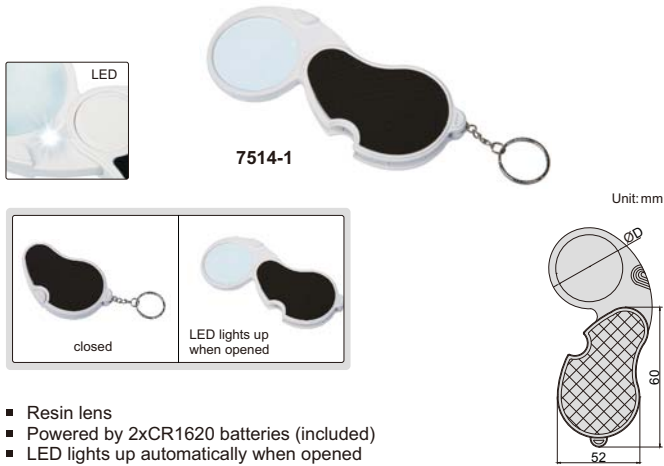


7511-8



Code	Magnification	Lens diameter (ØD)	List Price (₹)	Promotion Price (₹)
7511-8	10X	Ø21mm	167	149

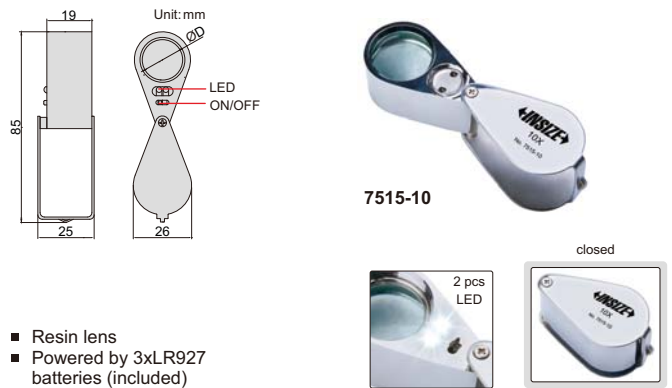
FOLDING MAGNIFIER WITH ILLUMINATION



- Resin lens
- Powered by 2xCR1620 batteries (included)
- LED lights up automatically when opened

Code	Magnification	Lens diameter (ØD)	List Price (₹)	Promotion Price (₹)
7514-1	2.5X	Ø45mm	364	324

FOLDING MAGNIFIER WITH ILLUMINATION



- Resin lens
- Powered by 3xLR927 batteries (included)

Code	Magnification	Lens diameter (ØD)	List Price (₹)	Promotion Price (₹)
7515-10	10X	Ø21mm	461	411

MAGNIFIER WITH ILLUMINATION

- Glass lens
- Powered by 3xAG7 batteries
- 3 pcs LED and 3 pcs UV
- Base with scale, graduation: 0.5mm, 1/16"



Code	Magnification	Lens diameter (ØD)	List Price (₹)	Promotion Price (₹)
7524-10	10X	Ø30mm	1383	1229

MEASURING MAGNIFIER (WITH ILLUMINATION)

- Base with scale
- With two white LED and two UV LED
- Charging mode: Micro USB
- Work for 1.5h after fully charged



Code	Magnification	Graduation	Lens diameter (ØD)	List Price (₹)	Promotion Price (₹)
7527-D1	10X	0.5mm	Ø30mm	1722	1636

MAGNIFIERS WITH ILLUMINATION

- Glass lens
- Powered by 3xAAA batteries (included)



Code	Magnification	Lens diameter (ØD)	L	List Price (₹)	Promotion Price (₹)
7513-2	2X	Ø75mm	170mm	419	373
7513-4	4X	Ø50mm	145mm	385	343

MAGNIFIER WITH TWO LENSES



7522-610

- Resin lens
- Interchangeable lenses
- Powered by 3 pcs AAA batteries (included)

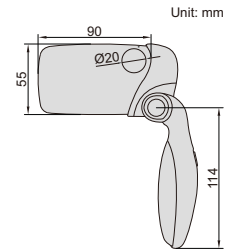


Code	Lens number	Magnification	Lens diameter (ØD)	List Price (₹)	Promotion Price (₹)
7522-610	2 pcs	10X	37mm	715	598
		6X	50mm		

MAGNIFIER WITH ILLUMINATION



7518-26



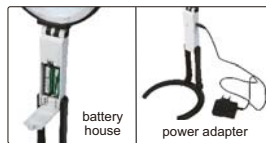
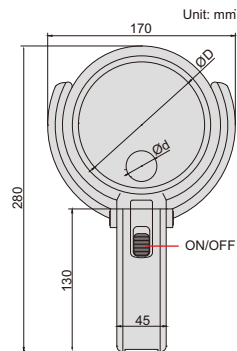
- Two magnifications
- LED illumination
- Powered by 2 pcs AAA batteries (included)
- Resin lens

Code	Magnification	Lens size	List Price (₹)	Promotion Price (₹)
7518-26	2X/6X	90x55mm	750	659

THREE WAYS MAGNIFIER WITH ILLUMINATION



7512-1



- Resin lens
- Powered by 2xAA batteries (included) or power adapter (110~240V, 50~60Hz)

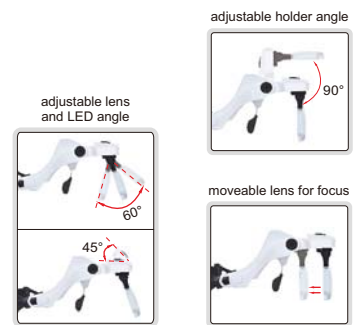
Code	Magnification	Lens diameter (ØD/Ød)	List Price (₹)	Promotion Price (₹)
7512-1	2X/4X	Ø120mm/Ø28mm	1572	1383

MAGNIFICATION GLASSES



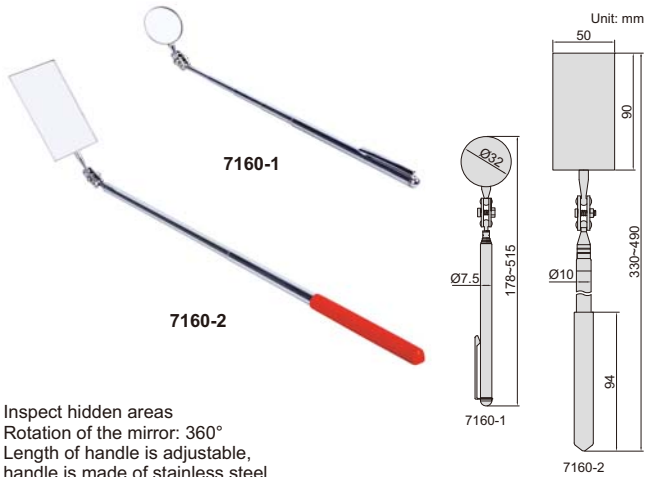
7523-3D5

- Resin lens
- Interchangeable lenses
- Powered by 3 pcs AAA batteries (included)



Code	Lens number	Magnification	List Price (₹)	Promotion Price (₹)
7523-3D5	5 pcs	1X	1103	923
		1.5X		
		2X		
		2.5X		
		3.5X		

TELESCOPING INSPECTION MIRRORS



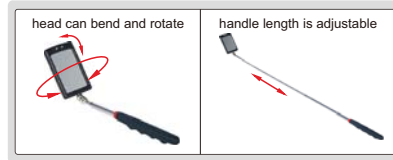
- Inspect hidden areas
- Rotation of the mirror: 360°
- Length of handle is adjustable, handle is made of stainless steel

Code	Size of mirror	Length	List Price (₹)	Promotion Price (₹)
7160-1	Ø32mm	178~515mm	601	508
7160-2	50x90mm	330~490mm	1436	1258

TELESCOPING INSPECTION MIRROR (WITH ILLUMINATION)

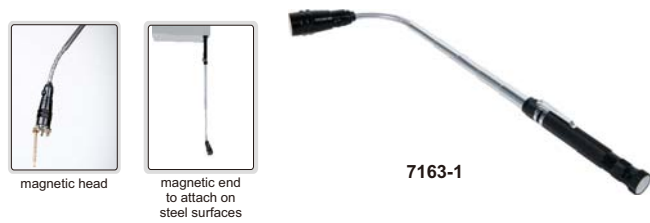


- Inspect hidden areas
- Head can bend and rotate
- Telescoping handle, made of stainless steel
- With two CR2032 batteries



Code	Size of mirror	Length	List Price (₹)	Promotion Price (₹)
7162-1	65x42mm	285~875mm	462	404

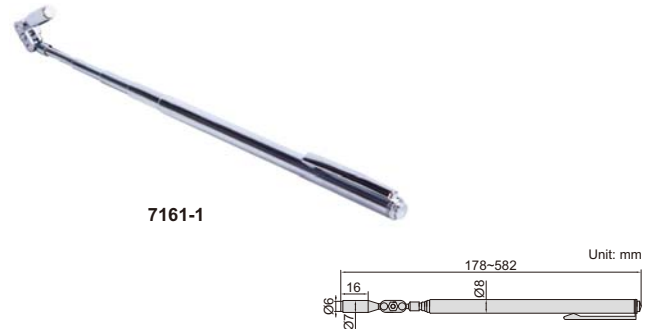
TELESCOPING MAGNETIC PICK-UP AND FLASHLIGHT



- Magnetic force of the head: 2kgf
- Magnetic force of the end: 4kgf
- For illumination and pick up steel parts in hidden areas
- Head can bend
- Telescoping handle, made of stainless steel
- Magnetic head and end
- With four LR44 batteries

Code	Flashlight range	Battery life	Length	List Price (₹)	Promotion Price (₹)
7163-1	3m	8h	172~568mm	621	542

TELESCOPING MAGNETIC PICK-UP



- Pick up metal parts from hidden areas
- Rotation of the magnetic head: 360°
- Length of handle is adjustable, handle is made of stainless steel

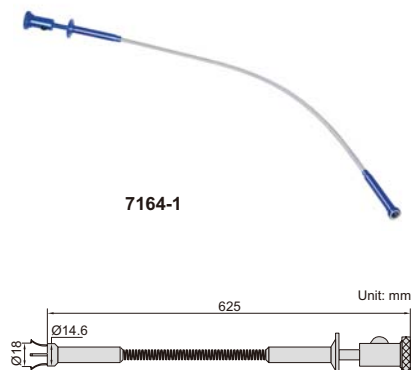
Code	Size of magnetic tip	Magnetic force	Length	List Price (₹)	Promotion Price (₹)
7161-1	Ø6mm	0.45kgf	178~582mm	646	547

FLEXIBLE PICK-UP AND FLASHLIGHT



- For illumination and pick up steel parts in hidden areas
- Flexible spring rod, made of stainless steel
- Three LR44 batteries

Code	Magnetic force	Flashlight range	Battery life	List Price (₹)	Promotion Price (₹)
7164-1	0.9kgf	1m	24h	554	430



VIDEOSCOPES

REAR FIBER ILLUMINATION



changeable lens cable



ISV-K6015



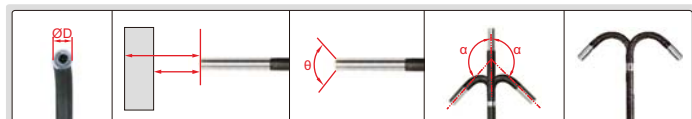
ISV-K-HOOK (optional)



ISV-K-MAGNET (optional)



ISV-K-CLAMP (optional)



diameter (ØD) depth of field (DOF) angle of view (θ) bend range (α) bend



SPECIFICATION

Code	ISV-K1810	ISV-K2410	ISV-K2810	ISV-K3915	ISV-K6015	
List Price (₹)	ON REQUEST	ON REQUEST	ON REQUEST	ON REQUEST	ON REQUEST	
Promotion Price (₹)	ON REQUEST	ON REQUEST	ON REQUEST	ON REQUEST	ON REQUEST	
Lens	diameter (ØD)	1.8mm	2.4mm	2.8mm	3.9mm	6.0mm
	pixel	0.16M			0.92M	
	resolution	400×400			1280×720	
	depth of field	3-30mm	3-70mm	3-70mm	8-150mm	12-200mm
	bending direction	two directions	two directions	four directions	four directions	four directions
	bending range (α)	±160°				
	angle of view (θ)	120°				
	illumination	rear fiber				
	lens	sapphire glass lens				
	dust/waterproof	IP65			IP67	
Cable	bend control	manual joystick				
	length	1m	1m	1m	1.5m	1.5m
Main unit	type	tungsten wire weaved cable				
	display	5" high definition LCD				
	function	take pictures, take videos				
	file format	picture: JPG, video: MP4				
	image process	image zoom (1X, 2X, 3X, 4X)				
	image control	freeze, flip over, playback and analog ruler				
	memory	memory card				
	output	USB, HDMI				
power supply	rechargeable lithium battery (working time ≥ 4hours), AC/DC adapter (for continuous working)					
Weight	1000g					

STANDARD DELIVERY

Main unit	1 pc
32G SD card	1 pc
Card reader	1 pc
USB cable	1 pc
Tripod	1 pc
AC/DC adapter	1 pc

OPERATION ENVIRONMENT

Main unit	-10~50°C, no preheat
Operation temperature	-20~70°C
Storage temperature	-20~60°C
Relative humidity	maximum 90%, no condensation

OPTIONAL ACCESSORY

WIFI output	ISV-K-WIFI (must be installed in factory, only for Android OS)
Temperature alarm	ISV-K-HTALARM (must be installed in factory, for ISV-K3915 and ISV-K6015)
Hook	ISV-K-HOOK (must be installed in factory, for ISV-K3915 and ISV-K6015)
Magnet	ISV-K-MAGNET (must be installed in factory, for ISV-K3915 and ISV-K6015)
Clamp	ISV-K-CLAMP

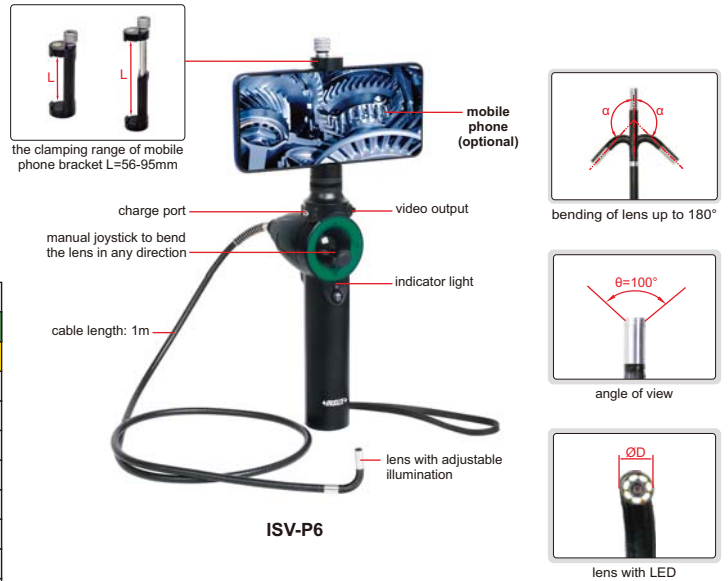
MOBILE PHONE VIDEOSCOPE



For Android and IOS mobile phones

SPECIFICATION

Code	ISV-P6
List Price (₹)	58677
Promotion Price (₹)	52809
Diameter of lens (ØD)	6±0.2mm
Length of cable	1m
Resolution	960×720, 1280×720 (switchable)
Depth of field	20mm~∞
Angle of view (θ)	100°
Bending range (α)	0~180°
Illumination	LED with 3 levels control
Cable type	wear resistant
Interface	USB, type-C
Mobile phone system	Android, IOS
Power supply	rechargeable battery (for 2 hours working)
Dimension (L×W×H)	195×57×105mm
Weight	450g



ISV-P6

STANDARD DELIVERY

Main unit (with cable)	1 pc
Type-C cable	1 pc
Micro USB cable	1 pc
Iphone cable	1 pc
Charging cable	1 pc



VIDEOSCOPIES (BASIC TYPE)

TUNGSTEN WIRE WEAVED CABLE
BREAK AND WEAR RESISTANCE

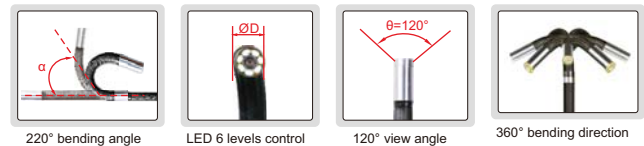


SPECIFICATION

Code		ISV-T105	ISV-S106
List Price (₹)		132831	159356
Promotion Price (₹)		120655	144749
Lens	diameter (ØD)	6mm	
	pixel	1M	
	resolution	1280×720	
	depth of field	20~150mm	
	bending direction	360°	
	bending range (α)	0°~220°	
	angle of view (θ)	120°	
	illumination	7 pcs LED, with 6 levels control	
	illuminance	25000Lux	
	lens	sapphire glass lens	
	dust/waterproof	IP67	
	bend control	manual joystick	
temperature alarm	temperature sensor (optional)		
Cable	length	1m	1.5m
	type	tungsten wire weaved cable	
Main unit	display	3.5" IPS full-view display	
	display resolution	640×480	
	function	take pictures, take videos	
	file format	picture: JPG, video: MP4	
	image process	image zoom (1X, 2X, 3X, 4X, 5X)	
	memory	memory card (maximum: 64G)	
	output	USB, HDMI, WIFI (optional)	
	dust/waterproof	IP65	
power supply	rechargeable lithium battery (working time ≥ 3 hours; optional: additional battery, working time ≥ 9 hours) AC/DC adapter (for continuous working)		
Weight	1000g		



ISV-S106



STANDARD DELIVERY

Main unit (with cable & lens)	1 pc
16G SD card	1 pc
Card reader	1 pc
USB cable	1 pc
Battery	1 pc
AC/DC adapter	1 pc

OPTIONAL ACCESSORY

Additional battery	ISV-S106-BATTERY (must be installed in factory)
WIFI output	ISV-S106-WIFI
Temperature alarm	ISV-S106-HT-ALARM

VIDEOSCOPE (BASIC TYPE) CODE ISV-E40



MEMORY CABLE CAN BE
FIXED AT ANY SHAPE

IP67
WATERPROOF



hook (included)



magnet pick up (included)



45° mirror (included)

lens with 8 pcs LED
adjustable illumination



memory cable

SPECIFICATION

List Price (₹)		18292
Promotion Price (₹)		10975
Lens	diameter (ØD)	8mm
	pixel	0.92M
	resolution	1280x720
	depth of field	30~80mm
	angle of view	77°
	illumination	3 levels
Cable	length	1180mm
	type	memory (can be set at any shape)
Main unit	display	5" IPS LCD
	function	take picture, take video
	file format	picture: JPG, video: MOV
	image process	image zoom (1.5X, 2X, 3X, 4X)
	memory	memory card (optional)
	output	type-C
	power supply	rechargeable lithium battery (for 5 hours working)
dimension	217×155×131mm	
Weight		506g

STANDARD DELIVERY

Main unit	1 pc
45° mirror	1 pc
Hook	1 pc
Magnet pick up	1 pc

OPTIONAL ACCESSORY

32G memory card	ISV-E40-CARD
Card reader	ISV-E40-READER

OPERATION ENVIRONMENT

Operation temperature	-10~50°C
Storage temperature	-20~60°C
Operation humidity	15%~85%

VIDEOSCOPE (ECONOMIC TYPE) CODE ISV-E30

IP67
WATERPROOF

MEMORY CABLE CAN BE
FIXED AT ANY SHAPE

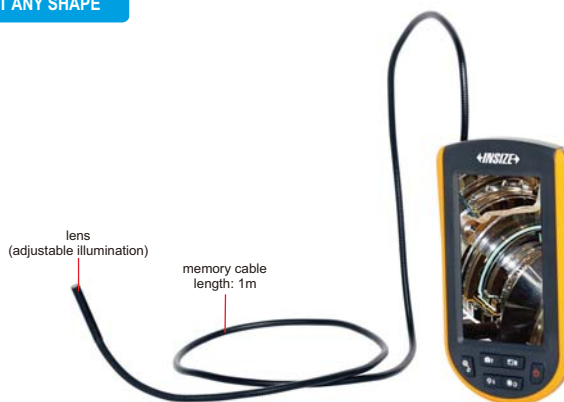


SPECIFICATION

List Price (₹)		14271
Promotion Price (₹)		8562
Lens	diameter	5.2mm
	pixel	0.4M
	depth of field	30~80mm
	angle of view	72°
	illumination	8 levels
	dust/waterproof	IP67
Cable	length	1m
	type	memory (can be set at any shape)
Main unit	display	4.3" LCD
	function	take picture, take video
	file format	picture: JPG, video: AVI
	image zoom	2X
	memory card	memory card (optional)
	output	micro USB
	power supply	AA battery
dimension	154×32.5×87.5mm	
Weight		280g

lens
(adjustable illumination)

memory cable
length: 1m



cable can be wrapped around the main unit



hook (included)



magnet pick up (included)

STANDARD DELIVERY

Main unit	1 pc
Hook	1 pc
Magnet pick up	1 pc
AA battery	4 pcs

OPTIONAL ACCESSORY

32G memory card	ISV-E40-CARD
Card reader	ISV-E40-READER

OPERATION ENVIRONMENT

Operation temperature	-10~50°C
Storage temperature	-20~60°C
Operation humidity	15%~85%



Coating Thickness Gages
Page 188-190



Surface Profile Gages
Page 191



Wet Film Gages
Page 191



Gloss Meters
Page 191-192



Colorimeters
Page 192-193



Pencil Hardness Testers
Page 194



Cross Cut Adhesion Testers
Page 194



Digital Adhesion Testers
Page 195



Rotational Abrasion Testers
Page 195



Paint Film Flexibility Testers
Page 196



Impact Testers
Page 196

COATING THICKNESS GAGE (HIGH PRECISION) CODE ISO-8000FN

SUITABLE FOR THIN
COATING BELOW 10µm

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES



calibration foils
(included)



zero calibration plate
(included)



eddy current probe
(optional)



stand (optional)



magnetic induction
probe (included)

- Can measure thickness of thin coating below 10µm
- High repeatability
- Magnetic induction probe measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe measures the thickness of non-conductive coating on non-magnetic metal substrate
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- Maximum, minimum, average and variance values can be calculated automatically

SPECIFICATION

List Price (₹)	70789	
Promotion Price (₹)	63710	
Probe	magnetic induction probe (included)	eddy current probe (optional)*
Measuring range	0~500µm	0~1500µm
Resolution	0.1µm (range<100µm) 1µm (100µm≤range≤500µm)	0.1µm (range<100µm) 1µm (100µm≤range<1000µm) 0.01mm (1.00mm≤range≤1.50mm)
Accuracy	±(0.5+2%L)µm L is measuring thickness in µm	
Repeatability	≤(0.2+0.8%L)µm L is measuring thickness in µm	
Measuring mode	single and continuous	
Measure interval	single mode	1.5s
	continuous mode	0.4s
Calibration mode	zero calibration and multi-points calibration (1~5 points)	
Minimum substrate thickness	0.1m	0.05mm
Minimum measuring area	Ø7mm	
Minimum radius of curvature workpieces	convex surface	1.5mm
	concave surface	10mm
Unit	µm/mil	
Power supply	4×1.5V AAA batteries	
Dimension	148×76×26mm	
Weight	148g	

STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe	1 pc
Zero calibration plate	1 pc
Calibration foils (5.6µm, 11.6µm, 24.6µm, 50.0µm, 100µm, 252µm, 390µm)	1 set
1.5V AAA battery	4 pcs

OPTIONAL ACCESSORY

Eddy current probe (with zero calibration plate)	ISO-8000FN-N1500*
Stand	ISO-8000FN-STAND

*For precision measurement of thin coating below 10µm, please use the stand for eddy current probe

COATING THICKNESS GAGE CODE 9501-1200

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES

DATA
OUTPUT



BLUETOOTH



- Magnetic induction probe (FE) measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate.
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
Coating: zinc, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe (NFE) measures the thickness of non-conductive coating on non-magnetic metal substrate.
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- Tolerance measurement
- Data statistic, including average, variance, maximum and minimum values
- Data can be sent to Excel by connecting to computers via bluetooth or cable of receiver
- Support bluetooth printer
- Automatic power off



eddy current probe
NFE (optional) with
zero calibration block



magnetic induction
probe FE90 for bores
and grooves (optional)



calibration foils
(included)



magnetic induction
probe FE10 for large
range (optional)



zero calibration block
for FE (included)



receiver (optional)

SPECIFICATION

List Price (₹)	26352			
Promotion Price (₹)	23903			
Probe type	FE (included) magnetic induction probe	NFE (optional) eddy current probe	FE90 (optional) magnetic induction probe for bores and grooves	FE10 (optional) magnetic induction probe for large range
Measuring range	0~1250µm	0~1250µm	0~1250µm	500~10000µm
Accuracy	±(3%L+1)µm (range≤1250µm) ±(3%L+10)µm (range>1250µm) L is measuring thickness in µm			
Resolution	0.1µm (range<100µm) 1µm (range≥100µm)			
Measuring mode	continuous and single			
Minimum substrate thickness	0.5mm	0.3mm	0.5mm	2mm
Minimum measuring area	Ø7mm	Ø5mm	Ø7mm	Ø40mm
Minimum curvature radius of convex workpiece	1.5mm	3mm	—	10mm
Memory	600			
Output	USB			
Power supply	2×1.5V AA batteries			
Dimension	135×77×32mm			
Weight	172g			

STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe (FE)	1 pc
Zero calibration block for FE probe	1 pc
Calibration foils (50/100/250/500/1000µm)	1 set
1.5V AA battery	2 pcs
Software and USB cable	1 pc

OPTIONAL ACCESSORY

Receiver	ISR-C300-RECEIVER
Cable of receiver	9501-1200-CABLE
Bluetooth printer	ISR-C002-PRINTER
Eddy current probe (NFE) with zero calibration block	9501-1200-NFE
Magnetic induction probe (FE90) for bores and grooves	9501-1200-FE90
Magnetic induction probe (FE10) for large range	9501-1200-FE10

COATING THICKNESS GAGE (BASIC TYPE) CODE ISO-1200FN



FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES



Fe zero calibration plate
(included)



NFe zero calibration plate
(included)



standard foil (included)



ruby contact point

- Probe is suitable for both magnetic and non-magnetic metal substrates
- Can measure the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Can measure the thickness of non-conductive coating on non-magnetic metal substrate
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- 3 measuring modes: Fe, NFe, Fe/NFe
- Store 9 measuring records
- Small and portable, easy for operation

SPECIFICATION

List Price (₹)	21837	
Promotion Price (₹)	19654	
Measuring range	0~2000µm	
Resolution	0.1µm (range<100µm) 1µm (100µm≤range<1000µm) 0.01mm (1mm≤range≤2mm)	
Accuracy	±(2µm+3%L) L is measuring thickness in µm	
Measure interval	0.5s	
Calibration mode	zero calibration	
Measuring mode	Fe, NFe, Fe/NFe	
Minimum substrate thickness	Fe	0.2mm
	NFe	0.05mm
Minimum measuring area	Ø25mm	
Minimum radius of curvature workpieces	convex surface	5mm
	concave surface	25mm
Unit	µm/mil	
Power supply	2×1.5V AA batteries	
Main unit dimension	101×62×28mm	
Probe dimension	71×26×22mm	
Weight	114g	

STANDARD DELIVERY

Main unit	1 pc
Fe zero calibration plate	1 pc
NFe zero calibration plate	1 pc
Standard foil (100µm)	1 pc
1.5V AA battery	2 pcs

COATING THICKNESS GAGE (BASIC TYPE) CODE ISO-1000FN

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES



ruby contact point



Fe zero calibration plate
(included)



NFe zero calibration plate
(included)



standard foil (included)

- Probe is suitable for both magnetic and non-magnetic metal substrates
- Can measure the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Can measure the thickness of non-conductive coating on non-magnetic metal substrate
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- 3 measuring modes: Fe, NFe, Fe/NFe
- Store 9 measuring records
- Small and portable, easy for operation

SPECIFICATION

List Price (₹)	18126	
Promotion Price (₹)	16314	
Measuring range	0~2000µm	
Resolution	0.1µm (range<100µm) 1µm (100µm≤range<1000µm) 0.01mm (1mm≤range≤2mm)	
Accuracy	±(2µm+3%L) L is measuring thickness in µm	
Measure interval	0.5s	
Calibration mode	zero calibration	
Measuring mode	Fe, NFe, Fe/NFe	
Minimum substrate thickness	Fe	0.2mm
	NFe	0.05mm
Minimum measuring area	Ø25mm	
Minimum radius of curvature workpieces	convex surface	5mm
	concave surface	25mm
Unit	µm/mil	
Power supply	2×1.5V AA batteries	
Dimension	101×62×28mm	
Weight	79g	

STANDARD DELIVERY

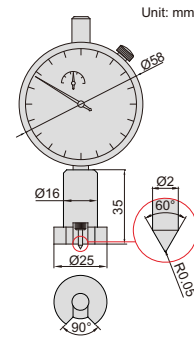
Main unit	1 pc
Fe zero calibration plate	1 pc
NFe zero calibration plate	1 pc
Standard foil (100µm)	1 pc
1.5V AA battery	2 pcs

SURFACE PROFILE GAGE

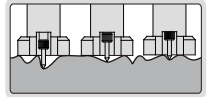
- Measure peak-to-valley height of blast cleaned surface. If the profile is too low, the adhesion of the coating to the surface will be reduced. If the profile is too high, there is the danger that the profile peaks will remain uncoated, allowing rust spots to occur.
- Meet ASTM D 4417-B
- Zero set block is included, set zero before measurement
- Stainless steel base



2344-1



measure peak-to-valley height of blast cleaned surface



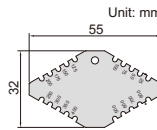
Code	Range	Dial indicator stroke	Dial indicator graduation	Accuracy	List Price (₹)	Promotion Price (₹)
2344-1	0-1mm	1mm	0.001mm	±0.005mm	8364	7528

WET FILM GAGES

- Made of stainless steel



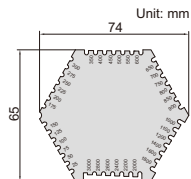
4845-1



4845-1



4845-2



4845-2

Code	Range	Accuracy	Thickness	List Price (₹)	Promotion Price (₹)
4845-1	25-800µm	±5µm	1.8mm	1977	1779
4845-2	25-3000µm	25-100µm: ±5µm 100µm-3000µm: ±5%	1mm	1403	1263

60° GLOSS METER (BASIC TYPE) CODE 5702-DG6

- To test the gloss of coating, such as painting, varnish, printing ink, etc.
- To test the material surfaces, such as metal, granite, ceramic, plastic, paper, etc.
- According to ISO 2813, ISO 7668, ASTM D523, ASTM D2457, DIN 67530
- Automatic judgement after setting high and low limits
- Automatic power off



base with calibration block (included)



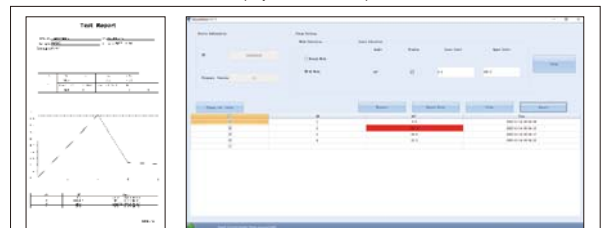
SPECIFICATION

List Price (₹)	19143
Promotion Price (₹)	16271
Incidence angle	60°
Measuring range	0~200GU
Resolution	0.1GU
Accuracy	±1.5GU (range<120GU) ±1.5% (range≥120GU)
Repeatability	0.2GU (range<120GU) 0.2% (range≥120GU)
Zero error	0.1GU
Measuring area	20×10mm
Power supply	rechargeable battery
Data port	USB
Dimension	135×45×75mm
Weight	237g

STANDARD DELIVERY

Main unit	1 pc
Base with calibration block	1 pc
U disk	1 pc
AC/DC adapter	1 pc
USB data cable	1 pc
Cleaning cloth	1 pc

software (included), test can be controlled from the software, display test data and report



report

software



measurement data is sent to Excel

60° GLOSS METER CODE ISQ-DG6



base with calibration block
(included)



- To test the gloss of coating, such as painting, varnish, printing ink, etc.
- To test the material surfaces, such as metal, granite, ceramic, plastic, paper, etc.
- According to ISO 2813, ASTM D2457, ASTM D523
- Automatic power off

SPECIFICATION

List Price (₹)	56750
Promotion Price (₹)	51075
Incidence angle	60°
Measuring range	0~150GU
Resolution	0.1GU
Accuracy	±1.2GU
Repeatability	0.4GU
Zero set error	0.2GU
Measuring area	20×10mm
Output	bluetooth
Power supply	1×1.5V AA battery
Dimension	123×38×65mm
Weight	300g

connect mobile phone via bluetooth
(only Android system)



operate and output data by mobile phone

STANDARD DELIVERY

Main unit	1 pc
Base with calibration block	1 pc
Spare calibration block	1 pc

COLORIMETER (BASIC TYPE) CODE 5700-LS35



- Conforms with CIE 15, CIE S 005, ISO 7724-1 and ISO 13655 standards
- 3.5-inch IPS display and capacity touch panel
- Contains multiple color cards and can match the closest color code quickly
- QC testing function, can set color difference threshold
- Able to store 1000 colors and 1000 color comparison
- 3.7V/4000mAh battery, 10000 continuous measurements

SPECIFICATION

List Price (₹)	24643
Promotion Price (₹)	23904
Illumination geometry	D/8, specular component include (SCI)
Illumination light source	full spectrum LED light source
Measurement conditions	light source D65, field of view 10°
Measuring time	about 1s
Color space	CIE Lab, Luv, LCh, Yxy, CMYK, RGB, Hex
Color difference formula	ΔE^*ab , ΔE^*uv , ΔE^*94 , $\Delta E^*cmc(2:1)$, $\Delta E^*cmc(1:1)$, ΔE^*00
Repeatability	standard deviation ΔE^*ab is within 0.03 (measurement condition: the average value of 30 measurements on the whiteboard at an interval of 3s after calibration)
Charging interface	USB (type-C)
Dimension	86×63×158mm
Weight	245g



white calibration cavity
(included)

STANDARD DELIVERY

Main unit	1 pc
White calibration cavity	1 pc
USB cable	1 pc
AC/DC adapter	1 pc
Cleaning cloth	1 pc
Locating plate	1 pc

SPECTROPHOTOMETER CODE 5701-D40

THREE KINDS
OF APERTURE

MATCHING COLOR
CARD QUICKLY

GRATING
SPECTROPHOTOMETRIC

DATA
OUTPUT

connect to computer



computer is optional



measurement



white calibration cavity (included)



- Conforms with CIE No.15, ISO7724-1, ASTM E1164 and DIN5033 Teil7 standards
- Grating spectrophotometric, 3.5" IPS full color screen, dual optical path high precise CMOS array sensor
- Use long life and low power consumption combined LED light source, include UV and exclude UV measurement
- Camera locating function, switchable 11mm/6mm/1×3mm aperture
- Large capacity storage space, over 20,000 measurement data
- Two standard observer angles, a variety of illuminant, a variety of color indexes, conforms with a variety of standard colorimetric data
- Measure sample spectra, accurate Lab data, can be used in color matching and accurate color transmission

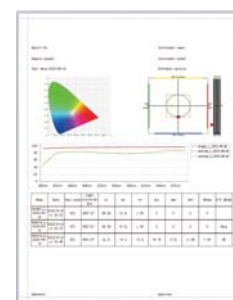
SPECIFICATION

List Price (₹)	ON REQUEST	
Promotion Price (₹)	ON REQUEST	
Optical geometry	D/8 (diffused illumination/8° direction reception) SCI+SCE (specular component included+specular component excluded)	
Integrating sphere size	Ø40mm	
Light source	LED (full band balanced LED) +UV	
Spectrophotometric mode	grating	
Sensor	dual optical path high precise CMOS array sensor	
Wavelength range	400~700nm	
Wavelength interval	10nm	
Reflectance measurement range	0~200%	
Reflectance resolution	0.01%	
Display resolution	0.01	
Illumination area/Aperture	MAV:Ø11mm; SAV:Ø6mm; MINI:1×3mm	
Color space	CIE-Lab, CIE-LCh, HunterLab, CIE Luv, XYZ, Yxy, RGB	
Color difference formula	ΔE^*ab , ΔE^*cmc , ΔE^*94 , ΔE^*00	
Other colorimetric index	whiteness (ASTM E313-00, ASTM E313-73, CIE/ISO, AATCC, Hunter, Taube Berger Stensby), Yellowness (ASTM D1925, ASTM 313-00, ASTM E313-73), Blackness (My, dM), Color fastness, Tint (ASTM E313-73) Color density CMYK (A, T, E, M), Milm, Munsell, Opacity, Color strength	
Observer angle	2°/10°	
Illuminant	A, B, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, U30, U35, DLF, NBF, T183, T184, Id50, Id65, LED-B1, LED-B2, LED-B3, LED-B4, LED-B5, LED-BH1, LED-RGB1, LED-V1, LED-V2	
Measuring time	about 1.5s	
Repeatability	spectral reflectance	within 0.08% of standard deviation
	colorimetric values	$\Delta E^*ab \leq 0.025$ (after whiteboard correction, measuring the whiteboard 30 times at 5s interval)
Inter-instrument error	$\Delta E^*ab \leq 0.25$ (BCRA series II, average value of 12 color plates)	
Output	USB, Bluetooth	
Light source lifetime	10 years, more than 1 million times measurements	
Battery	3.7V/3000mAh, rechargeable 8,000 times continuous tests	
Dimension	95×129×231mm	
Weight	750g	

software (included), test can be controlled from the software, display test data, report



text report



graphic report



software

STANDARD DELIVERY

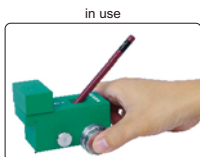
Main unit	1 pc
White calibration cavity	1 pc
Measuring aperture	3 pcs
USB cable	1 pc
USB disk	1 pc
AC/DC adapter	1 pc

PENCIL HARDNESS TESTER CODE PHT-C751



VIDEO

- For flat coating surfaces
- Conform to ASTM D3363, ISO 15184, BS3900-E19 and ECCA-T4/1



SPECIFICATION

List Price (₹)	29099
Promotion Price (₹)	26189
Pressure of pencil on coating	500g, 750g, 1000g (main unit is 500g, one weight is 750g, two weights are 1000g)
Angle between pencil and measured surface	45°
Dimension (L×W×H)	95×80×110mm
Weight	2kg

STANDARD DELIVERY

Main unit	1 pc
Weights	2 pcs
Leveling rod	1 pc
Level	1 pc
Pencil	12 pcs (4B, 3B, 2B, B, HB, F, H, 2H, 3H, 4H, 5H, 6H)
Pencil sharpener	1 pc



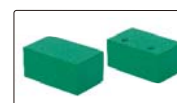
level (included)



pencils (included)



leveling rod (included)



weights (included)

OPTIONAL DELIVERY

Pencil (17 pcs: 6B-9H)	PHT-C751-P
400 grade abrasive paper	PHT-C751-S

CROSS CUT ADHESION TESTER CODE ISQ-PK100



VIDEO

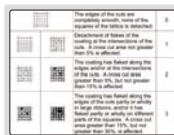
- To test the adhesion of paint coating on metal, wood, plastic, etc.
- According to ISO 2409, ASTM D3359, DIN53151



step 1: make grid cutting on surface



step 2: paste and remove the tape



step 3: according to the shedding status, judge the adhesion grade



3mm pitch blade (included)



2X magnifier (included)



test tape (included) ISQ-PK100-1



brush (included)



2mm pitch blade (included)



1mm pitch blade (included)

SPECIFICATION

List Price (₹)	77012			
Promotion Price (₹)	69311			
Blade	1mm pitch	2mm pitch	3mm pitch	
Applied paint thickness	on hard substrate (like metal)	0~60µm	61~120µm	121~250µm
	on soft substrate (like wood, plaster)	-	0~120µm	121~250µm
Minimum substrate thickness	hard substrate (like metal)	0.25mm	0.25mm	0.25mm
	soft substrate (like wood, plaster)	-	10mm	10mm
Minimum size of test sample	150×100mm	150×100mm	150×100mm	
Dimension	170×28×40mm			
Weight	430g			

STANDARD DELIVERY

Handle	1 pc
1mm pitch blade	1 pc
2mm pitch blade	1 pc
3mm pitch blade	1 pc
Test tape (ISQ-PK100-1)	1 pc
2X magnifier	1 pc
Brush	1 pc

DIGITAL ADHESION TESTER CODE SPT-AD21



- Pull-off test
- Built-in rechargeable lithium battery, no need external power source
- Portable design, can be used anywhere
- Standard USB interface, can directly transmit the stored data to computer, no need to install software
- Conforms to GB/T 5210, ASTM D4541/D7234, ISO 4624/16276-1
- Store all test results, includes maximum pull-off force, pull-off rate, dolly size and time
- Built in real-time clock, all saved data have corresponding date and time
- Selectable four different sizes dolly for different resolution and testing range
- No need conversion, the instrument can calculate pull-off force according to the dolly size
- Get the testing results from LCD directly
- Two units MPa and psi for selection and can be converted automatically



SPECIFICATION

List Price (₹)	209975
Promotion Price (₹)	188978
Range	0~20MPa
Dolly diameter	Ø20mm
Resolution	0.01MPa (1psi)
Accuracy	±1% full scale
Pull-off Force	0.7~20MPa
Power	built-in rechargeable lithium battery
Dimension (LxWxH)	360x75x115mm
Weight	3kg



cutting tool (included)



Ø20mm dolly (included)



glue gun and glue (included)

STANDARD DELIVERY

Main unit	1 pc
Ø20mm dolly	20 pcs
Cutting tool for Ø20mm dolly	1 pc
Charger	1 pc
USB cable	1 pc
Glue gun	1 pc
3M glue	1 pc

OPTIONAL ACCESSORY

Ø10mm dolly	SPT-AD21-10	10 pcs/package pull-off force: 2.8~80MPa
Ø14mm dolly	SPT-AD21-14	10 pcs/package pull-off force: 1.4~40MPa
Ø20mm dolly	SPT-AD21-20	10 pcs/package pull-off force: 0.7~20MPa
Ø50mm dolly	SPT-AD21-50	10 pcs/package pull-off force: 0.4~3.5MPa
Cutting tool	SPT-AD21-CUTTER1	for Ø10mm, Ø14mm, Ø20mm dolly
Cutting tool	SPT-AD21-CUTTER2	for Ø50mm dolly
Glue	SPT-AD21-GLUE	3M DP420 epoxy glue/50ml

ROTATIONAL ABRASION TESTER CODE QMY-AP32



- To test flat paint film
- Comply with ISO 7784-2, ISO 9352, GB/T1768, ASTM D3884, ASTM D1175 standards

SPECIFICATION

List Price (₹)	ON REQUEST
Promotion Price (₹)	ON REQUEST
Platform rotary speed	60±2 r/min, 72±2 r/min (selectable)
Load weight	500g, 750g, 1000g (selectable)
Sample size	Ø100mm
Grinding wheel	external diameter (51.6±0.1)mm, thickness (12.7±0.1)mm
Counting range of platform rotation	0~9999 times
Motor power	25W
Power supply	220V, 50Hz
Dimension	260×410×280mm
Weight	14kg

STANDARD DELIVERY

Main unit	1 pc
Vacuum cleaner	1 pc
1000g weight	2 pcs
750g weight	2 pcs
500g weight	2 pcs
TABER CS-10 grinding wheel	1 pair
Sandpaper	10 pcs
Glass plate	5 pcs

OPTIONAL ACCESSORY

TABER CS17 grinding wheel (1 pair)	QMY-AP32-CS17
Glass plate (Ø100mm with a 9mm center hole, 100 pcs/box)	QMY-AP32-GP
Aluminum plate (Ø100mm with a 9mm center hole, 100 pcs/box)	QMY-AP32-AP
180# emery cloth strip (100 pcs/box)	QMY-AP32-EC

PAINT FILM FLEXIBILITY TESTER CODE PPF-BF62



- To test the flexibility of paint and varnish
- Bend the coated test plates on the shaft rods with different diameter, the minimum shaft rod diameter that does not cause damage to the film is the film flexibility

SPECIFICATION

List Price (₹)	32394
Promotion Price (₹)	29155
Shaft rod length	35mm
Shaft rod 1	Ø15mm
Shaft rod 2	Ø10mm
Shaft rod 3	Ø5mm
Shaft rod 4	Ø4mm
Shaft rod 5	cross section 3×10mm, radius of curved surface 1.5mm
Shaft rod 6	cross section 2×10mm, radius of curved surface 1.0mm
Shaft rod 7	cross section 1×10mm, radius of curved surface 0.5mm
Dimension	450×75×100mm
Weight	3.1kg



STANDARD DELIVERY

Main unit	1 pc
Test plate	1 box (500 pcs)
4X magnifier	1 pc

OPTIONAL ACCESSORY

Test plate (dimension: 120×25×0.28mm, 500 pcs/box)	PPF-BF62-TP
--	-------------

IMPACT TESTER CODE THD-PF34



- For paint and varnish dry coating. To test the ability to resist cracking or peeling from the substrate when deformation is caused by weights impact under standard conditions
- Indenter, base and weight can be replaced quickly
- Conform to ISO 6272-2:2002, ASTM D 2794



300g main weight
(included)



1000g main weight
(included)



2lb main weight
(included)



2lb additional
weight (included)



1000g additional
weight (included)



Ø16.3mm die base
(included)



Ø12.7mm indenter
(included)



Ø15.9mm indenter
(included)



SPECIFICATION

List Price (₹)	168908
Promotion Price (₹)	152017
Impact height range	0-100cm (0-40inch)
Graduation	1cm
Impact depth	2.5cm
Weight	1000g (2 pcs), 300g (1 pc), 2lb (2 pcs)
Indenter diameter	Ø12.7mm (1/2 inch DIA), Ø15.9mm (5/8 inch DIA)
Die base diameter	Ø16.3mm

OPTIONAL ACCESSORY

Base plate (120×70×0.5mm, 180 pcs/box) *	TD-PF34-T
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* Can be customized according to the needs of different thickness, size and processing

STANDARD DELIVERY

Main unit	1 pc
1000g main weight	1 pc
300g main weight	1 pc
2lb main weight	1 pc
1000g additional weight	1 pc
2lb additional weight	1 pc
Ø12.7mm indenter	1 pc
Ø15.9mm indenter	1 pc
Ø16.3mm die base	1 pc



Ultrasonic Thickness Gages
Page 199



Infrared Thermal Imaging Cameras
Page 200



Infrared Thermometers
Page 200-201



Thermohygrometers
Page 201-203



Tachometers
Page 203-204



Vibration Pens
Page 205



Digital Multimeters
Page 205-207



Digital Clamp Meters
Page 208



Voltage Testers
Page 209



Laser Distance Meters
Page 209



Portable Conductivity/TDS Meters
Page 210



Portable pH Meters
Page 210




Refractometers
Page 211



Digital Stopwatches
Page 211




Stroke Counters
Page 212




Bourdon Tube Pressure Gages
Page 212



Digital Moisture Meters
Page 212




Anemometers
Page 213



Digital Sound Level Meters
Page 214



Light Meters
Page 215



Teslameters
Page 216



Laser Belt Tension Meters
Page 216

ULTRASONIC THICKNESS GAGE CODE ISU-250C



DATA
OUTPUT



- Measure the thickness from one side of objects, suitable for pipes, tanks, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, ice
- Tolerance measurement
- Average calculation of maximum 9 readings
- Data can be input to Excel and Word as keyboard signal

SPECIFICATION (ON STEEL)

List Price (₹)	88260
Promotion Price (₹)	83847
Measuring range	refer to specification of transducers
Resolution	0.1/0.01mm
Accuracy	±0.04mm (H<10mm) ±(0.04+H/1000)mm (10≤H<100mm) ±H/333mm (H≥100mm) H is the thickness to be measured in mm
Velocity	1000-9999m/s
Operation temperature of main unit	-20~50°C
Output	USB
Measuring unit	mm/inch
Power supply	2×1.5V AAA batteries
Dimension	64×116×27mm
Weight	220g



transducer ISU-T12 (optional)



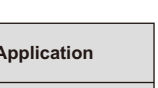
transducer ISU-T08 (included)



transducer ISU-T06 (optional)



transducer ISU-T04 (optional)



transducer ISU-T13 (optional)

STANDARD DELIVERY

Main unit	1 pc
Transducer ISU-T08	1 pc
Battery (AAA)	2 pcs
Couplant (for ISU-T04, ISU-T06, ISU-T08, ISU-T12)	1 bottle
USB cable	1 pc

OPTIONAL ACCESSORY

Transducer	ISU-T04, ISU-T06, ISU-T12, ISU-T13
Couplant (for ISU-T13)	ISU-HT5-COUPPLANT

SPECIFICATION OF TRANSDUCERS (ON STEEL)

Code	Frequency	Diameter (Ød)	Measuring range	Minimum size of pipes for measurement (diameter × wall thickness)	Applicable temperature	Application
ISU-T08 (included)	5.0MHz	11mm	0.8~300mm	Ø25×1.2mm	-20~60°C	general use
ISU-T04 (optional)	10.0MHz	6mm	0.7~20mm	Ø15×1mm	-20~60°C	for small tubes
ISU-T06 (optional)	7.5MHz	9mm	0.7~50mm	Ø15×1.2mm	-20~60°C	for thin workpieces
ISU-T12 (optional)	2.0MHz	17mm	2~400mm	Ø40×3mm	-20~60°C	for casting iron
ISU-T13 (optional)	5.0MHz	15mm	3~100mm	Ø25×2mm	0~350°C	for high temperature

ULTRASONIC THICKNESS GAGE (BASIC TYPE) CODE ISU-100D

ATTENTION: NOT SUITABLE FOR
CASTINGS AND ALUMINUM WORKPIECES



- Measure the thickness from one side of objects, suitable for pipes, tanks, etc.
- Applicable material: steel, stainless steel, glass, copper, brass, polystyrene, titanium, etc.

SPECIFICATION (ON STEEL)

List Price (₹)	39533
Promotion Price (₹)	28650
Measuring range	0.8~300mm
Resolution	0.1/0.01mm
Accuracy	±0.05mm (H<10mm) ±(0.05+H/1000)mm (10≤H<100mm) ±H/333mm (H≥100mm) H is the thickness to be measured in mm
Transducer	frequency: 5MHz diameter (Ød): 10.8mm
Minimum size of pipes	20×1.2mm (diameter×wall thickness)
Velocity	1000-9999m/s
Operation temperature	main unit: -20~50°C transducer: -20~60°C
Measuring unit	mm/inch
Power supply	2×AAA batteries
Dimension	114×64×28mm
Weight	200g

STANDARD DELIVERY

Main unit	1 pc
Transducer	1 pc
Couplant	1 bottle
Battery (AAA)	2 pcs



INFRARED THERMAL IMAGING CAMERA (BASIC TYPE) CODE 9132-T400

NON-CONTACT
TEMPERATURE MEASUREMENT



VIDEO

DATA
OUTPUT

IP54
WATERPROOF



front view



- IR/visible/laser indicator
- Trigger button for photo taking
- 2-meter drop test, IP54 protection

STANDARD DELIVERY

Main unit	1 pc
Power supply adapter	1 pc
TYPE-C cable	1 pc
16G TF card	1 pc

SPECIFICATION

List Price (₹)		60527
Promotion Price (₹)		52040
IR image	IR resolution	120×90@17μm
	detector type	VOx/7.5~14μm
	frame rate	25Hz/9Hz
	thermal sensitivity/NETD	60mk
	focal length	2.28mm/F1.13
	field of view (FOV)	50°×38°
	spatial resolution (IFOV)	7.6mrad
Visible camera	focus	focus-free
	visible camera resolution	320×240, focus-free
Image display	flashlight	yes
	display	2.4 inch IPS technology TFT display
Temperature measurement	display resolution	320×240
	image model	IR/visible/picture-in-picture
	color palettes	6: white hot, iron red, hot iron, arctic, rainbow 1, rainbow 2
	temperature range	-20~150°C, 100~400°C (auto switching)
Image storage	accuracy	±2°C or ±2%, whichever is greater (target temp ≥0°C, ambient temp is 15~30°C)
	measurement spot	center spot
	measurement area	3 (incl. max & min temp)
	auto max & min spot tracking	yes
	alarm	full screen max & min spot alarm
Connections & communications	storage media	TF card (16G)
	IR image format	full radiometric (JPG) (120x90)
	visible image	yes, 320x240
Power system	USB	type-C, TF card slot
	tripod interface	yes
	mobile APP	yes
	PC IR analysis software	yes
Environmental parameters	battery type	rechargeable li ion battery
	battery operation time	>5 hours
	charging time	internal charge, ≤2.5 hours
Environmental parameters	operation temperature	-10~50°C
	storage temperature	-40~70°C
	protection	IP54, 2-meter drop test
	certification	CE/ROHS/FCC
	dimension (LxWxH)	194×61.5×76mm
weight	350g	

INFRARED THERMOMETER (BASIC TYPE) CODE 0210-G260

SPECIFICATION

List Price (₹)	2733
Promotion Price (₹)	2378
Measuring range	-30°C~260°C/-22°F~500°F
Accuracy	±4°C/±7°F (≤0°C) ±2% or ±2°C/±4°F (>0°C)
Resolution	0.1°C/0.1°F
Distance to spot size (D:S)	8:1
Emissivity	0.95 (fixed)
Diode laser	output<1mW, wavelength 630~670nm class 2 (II) laser product
Spectral response	6~14μm
Response time	less than 1s
Power supply	9V battery
Dimension	82×42×160mm
Weight	180g



- MAX/MIN temperature display
- °C/°F conversion function
- Auto data hold and auto power off

STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

INFRARED THERMOMETER CODE 0213-A500

SPECIFICATION

List Price (₹)	3628
Promotion Price (₹)	3084
Temperature range	-50°C~380°C/-58°F~716°F
Temperature accuracy	±2.5°C (at -50°C~20°C), ±2% or ±2.0°C (at 20°C~380°C) ±4.5°F (at -58°F~68°F), ±2% or ±3.6°F (at 68°F~716°F)
Temperature resolution	0.1°C/0.1°F
Distance to spot size (D:S)	12:1
Emissivity	0.95 (fixed)
Repeatability	±1°C/1.8°F
Response time	150ms
Spectral response	8~14μm
Diode laser	output<1mW, wavelength 630~670nm class 2 laser product
Operation temperature	0°C~50°C/32°F~122°F
Operation humidity	10%RH~90%RH
Storage temperature	-10°C~60°C/14°F~140°F
Storage humidity	<80%RH
Power supply	1×9V battery
Dimension	137×73×38mm
Weight	135g



- Unit: °C, °F
- Dual laser sighting
- Negativity display
- Automatic power off
- Automatic data hold
- Over range indicator
- Max/Min display

STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

DATA LOGGER FOR TEMPERATURE AND HUMIDITY (BUILT-IN SENSOR) CODE 0311-3070

- Signal acquisition, display, storage, analysis function
- Low power consumption
- Built-in high-precision temperature and humidity sensor
- Software is included

SPECIFICATION

List Price (₹)	23870
Promotion Price (₹)	20767
Temperature range	-30°C~70°C/-22°F~158°F
Temperature accuracy	±0.3°C (at 23°C±2°C), other range ±0.5°C ±0.6°F (at 73.4°F±3.6°F), other range ±0.9°F
Temperature resolution	0.1°C/0.2°F
Humidity range	0%RH~100%RH
Humidity accuracy	±3%RH (at 10%RH~85%RH), other range ±5%RH
Humidity resolution	0.1%RH
Memory capacity	10918
Alarm	function: alarm when over high or low limit method: display+buzz+backlight
Sampling interval	2s, 5s, 10s, 30s, 60s, 255s (adjustable)
Logging interval	2 seconds~24 hours (adjustable)
Start with delay	1~120 seconds (adjustable)
Start mode	start immediately/delay start/timing start
End mode	full/FIFO/preset/timing end
Timing start/end	random start/end with format YYMMDD HHMMSS
Interface	USB
Time battery	CR2032
Power supply	3.6V lithium battery (ER14505) or 5~24V DC
Dimensions	123×117×33mm
Weight	260g

STANDARD DELIVERY

Main unit	1 pc
Software and USB cable	1 pc
Time battery	1 pc
Lithium battery	1 pc

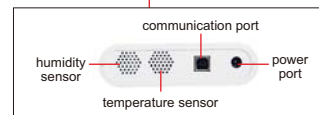


**IP54
WATERPROOF**

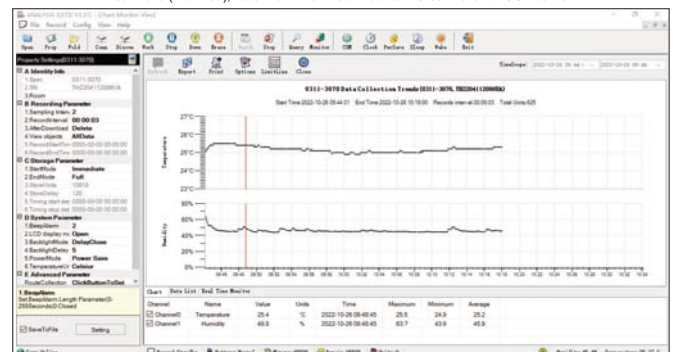
**DATA
OUTPUT**



stand (included)



software (included), record and download data to PC software via USB cable



OPTIONAL ACCESSORY

Power adapter 0311-3070-ADAPTER

DIGITAL THERMOHYGROMETER (PROFESSIONAL TYPE) CODE 9362-TH27

IP50
DUSTPROOF



SPECIFICATION

List Price (₹)	8170
Promotion Price (₹)	7353
Sensor	NTC thermistor/humidity capacitance/digital sensor
Temperature range	-20°C~70°C/-4°F~158°F
Temperature accuracy	±0.5°C/±0.9°F
Temperature resolution	0.1°C/0.2°F (minimum adjustable unit is 0.2°F in setting mode)
Humidity range	0~100%RH
Humidity accuracy	±5%RH
Humidity resolution	0.1%RH
Sampling interval	5s
Battery	1.5V AAA
Dimensions	95×107×18mm
Weight	105g

- Measure humidity, ambient temperature and dew-point temperature
- Max/Min/Average mode
- Alarm function
- IP50 protection grade

STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	1 pc

THERMOHYGROMETER (EXTERNAL SENSOR) CODE 0313-TH48



- External sensor, 3m cable
- Time/temperature/humidity display
- Temperature and humidity upper and lower limit alarm function
- Unit: °C/°F
- Low battery warning

SPECIFICATION

List Price (₹)	4370
Promotion Price (₹)	3496
Temperature range	-40°C~80°C/-40°F~176°F
Temperature accuracy	±0.5°C (at -20°C~60°C), ±1.0°C (at 60°C~80°C), ±2°C (at -40°C~-20°C), ±2°F (at -20°F~176°F), ±3°F (at -40°F~-20°F)
Temperature resolution	0.1°C (at -20°C~80°C), other range 1°C 0.1°F (at -20°F~100°F), other range 1°F
Humidity range	0%RH~99.9%RH
Humidity accuracy	±5%RH (at 10°C~60°C), other range ±7% ±5%RH (at 50°F~140°F), other range ±7%
Humidity resolution	0.1%RH
Sensitivity attenuation value	temperature: <0.1°C/year (<0.2°F/year) humidity: <1%RH/year
Sampling interval	5 seconds
Power supply	built-in rechargeable lithium battery (USB 5V charging) working time at least one month
Dimension	88×88×21mm
Weight	174g

STANDARD DELIVERY

Main unit	1 pc
USB charging cable	1 pc

K-TYPE THERMOCOUPLE THERMOMETER (ECONOMIC TYPE) CODE 0320-K230



- Contact K-type thermocouple
- Unit: °C/°F
- Data hold function
- Low battery display
- Display backlight

SPECIFICATION

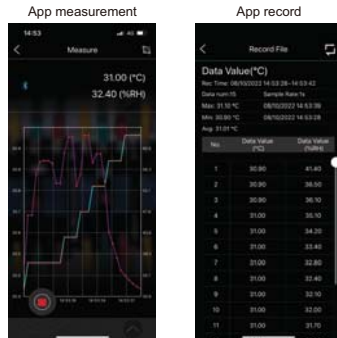
List Price (₹)	2795
Promotion Price (₹)	2236
Temperature range	-50°C~200°C/-58°F~392°F
Temperature accuracy	±2.0°C/±3.6°F
Temperature resolution	0.1°C (at -50°C~199.9°C), 1°C (at -50°C~200°C) 0.1°F (at -58°F~199.9°F), 1°F (at -58°F~392°F)
Sampling rate	2.5 times/sec
Power supply	3×3V CR2450 batteries (for 300 hours working)
Operation voltage	6.8V~10V
Dimension	149×76×34mm
Weight	220g

STANDARD DELIVERY

Main unit	1 pc
Thermocouple (K-type)	1 pc
CR2450 battery	3 pcs

THERMOHYGROMETER CODE 0310-H26

- Measure humidity, ambient temperature, dew point temperature and wet bulb temperature
- Min/Max, data hold function
- Bluetooth 4.0
- Auto power off
- Supplied with APP for Apple and Android



STANDARD DELIVERY

List Price (₹)	8374
Promotion Price (₹)	7285

Main unit	1 pc
Battery	1 pc

SPECIFICATION

Function	Measuring range	Resolution	Accuracy
Ambient temperature	0°C~50°C 32°F~122°F	0.1°C/0.1°F	±1.0°C/±1.8°F
Wet bulb temperature	0°C~50°C 32°F~122°F		
Dew point temperature	0°C~50°C 32°F~122°F		
Humidity	0%RH~80%RH	0.1%RH	±5.0%RH
Auto power off	30 minutes		
Data port	Bluetooth 4.0		
Power supply	9V battery		
Dimension	204×54×36mm		
Weight	172g		

THERMOHYGROMETER (ECONOMIC TYPE) CODE 0312-TH50

- Environment comfort display: COMFORT, WET, DRY
- Time/temperature/humidity display
- Highest/lowest temperature and humidity memory function
- Alarm clock function
- Unit: °C, °F



STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

SPECIFICATION

List Price (₹)	2023
Promotion Price (₹)	1720
Temperature range	0°C~50°C/32°F~122°F
Temperature accuracy	±1.0°C (at 5°C~40°C), other range ±1.5°C ±1.8°F (at 41°F~104°F), other range ±2.7°F
Temperature resolution	0.1°C/0.1°F
Humidity range	10%RH~90%RH
Humidity accuracy	±5%RH (at 40%RH~80%RH), other range ±8%RH
Humidity resolution	1%RH
Power supply	1×AAA 1.5V battery
Dimension	108×60×15mm
Weight	74g

CONTACT TACHOMETER CODE 9224-213



VIDEO

- Can measure rotary speed, line speed and line length
- Automatically save the maximum value, minimum value and the last value, 96 data can be stored during continuous measurement
- With backlight display



wheel with 0.1m perimeter (included)



clamping sleeve (included)



cone cavity head (included)



cone head (included)



small cone head (included)

SPECIFICATION

List Price (₹)	3848	
Promotion Price (₹)	3463	
Measuring range	rotary speed	0.5~19999RPM
	line speed	0.05~500m/min
	line length	0.05~99999m
Resolution	rotary speed	0.1RPM (range 0.5~999.9RPM) 1RPM (range 1000~19999RPM)
	line speed	0.01m/min (range 0.05~99.99m/min) 0.1m/min (range 100~500m/min)
	line length	0.02m
Accuracy	rotary speed	±(0.4%n+1d)RPM (n<300RPM) ±(0.05%n+1d)RPM (n≥300RPM) n is rotary speed, d is resolution
	line speed	±(1%+1d)m/min d is resolution
	line length	±(1%+1d)m d is resolution
Sampling time	0.8s (above 60RPM)	
Operation temperature	0~40°C	
Power supply	3×AA batteries	
Dimension	171×71×35mm	
Weight	162g	

STANDARD DELIVERY

Main unit	1 pc
Wheel with 0.1m perimeter	1 pc
Clamping sleeve	1 pc
Cone head	1 pc
Small cone head	1 pc
Cone cavity head	1 pc
Battery (AA)	3 pcs

NON-CONTACT TACHOMETER CODE 9223-120

- Accurately measure the rotary speed without contact
- Automatically save the maximum value, minimum value and the last value, 500 data can be stored during continuous measurement



reflection sticker (included)



VIDEO

SPECIFICATION

List Price (₹)	2808
Promotion Price (₹)	2528
Measuring range	2.5~99999RPM
Resolution	0.1RPM (range 2.5~999.9RPM) 1RPM (range 1000~99999RPM)
Accuracy	$\pm(0.05\%n+1d)$ RPM n is rotary speed, d is resolution
Laser power	Class 3R, 3mW~4mW
Sampling time	0.6 second (above 100RPM)
Measuring distance	50~500mm
Operation temperature	0~40°C
Power supply	3×AA batteries
Dimension	180×71×29.9mm
Weight	145g

STANDARD DELIVERY

Main unit	1 pc
Reflection sticker	3 pcs
Battery (AA)	3 pcs

CONTACT/NON-CONTACT TACHOMETER CODE 9225-405

- 2 measuring method, contact and non-contact
- Can measure rotary speed and line speed
- Automatically save the maximum value, minimum value and the last value, 500 data can be stored during continuous measurement
- Automatic power off



cone cavity head (included)



small cone head (included)



wheel with 0.1m perimeter (included)



cone head (included)



clamping sleeve (included)



reflection sticker (included)



VIDEO

SPECIFICATION

List Price (₹)	4441	
Promotion Price (₹)	3997	
Measuring method	non-contact	contact
Measuring range	rotary speed	2.5~99999RPM
	line speed	—
Resolution	rotary speed	0.1RPM (range 2.5~999.9RPM) 1RPM (range 1000~99999RPM)
	line speed	—
Accuracy	rotary speed	$\pm(0.05\%n+1d)$ RPM n is rotary speed, d is resolution
	line speed	—
Laser power	Class 3R, 3mW~4mW	—
Sampling time	0.6s (above 100RPM)	
Measuring distance	50~500mm	—
Operation temperature	0~40°C	
Power supply	3×AA batteries	
Dimension	206×71×36mm	
Weight	170g	

STANDARD DELIVERY

Main unit	1 pc
Reflection sticker	3 pcs
Wheel with 0.1m perimeter	1 pc
Clamping sleeve	1 pc
Cone head	1 pc
Small cone head	1 pc
Cone cavity head	1 pc
Battery (AA)	3 pcs

VIBRATION PEN (THREE PARAMETERS) CODE 0020-A199

SPECIFICATION

List Price (₹)	50679		
Promotion Price (₹)	41557		
Parameter	acceleration	velocity	displacement
Measuring range	0.01~199.9m/s ² (peak value)	0.01~199.9mm/s (virtual value)	0.001~1.999mm (peak~peak value)
Frequency	10Hz~1kHz	10Hz~1kHz	10Hz~500Hz
Frequency response	±5% (≥20Hz) -20%~+10% (<20Hz)		
Linearity	±(5%+2unit)		
Indeterminacy of sensitivity	≤3%		
Operation temperature	0°C~40°C/32°F~104°F		
Operation humidity	<85%		
Power supply	2×LR44 battery (for 10 hours working)		
Dimension	150x22x18mm		
Weight	55g		



- Acceleration, velocity and displacement can be tested
- Automatic power off

STANDARD DELIVERY

Main unit	1 pc
LR44 battery	2 pcs

VIBRATION PEN CODE 9720-199



VIDEO



- Measure vibration of motors, fans, pumps, compressors and machine tools to prevent mechanical failure
- Small size, light weight, low energy consumption, easy operation, easy to carry
- One key control
- Automatic power off

STANDARD DELIVERY

Main unit	1 pc
LR44 battery	2 pcs

SPECIFICATION

List Price (₹)	40723
Promotion Price (₹)	35836
Measured parameter	speed
Measuring range	0.1~199.9mm/s
Frequency	10Hz~1KHz
Accuracy	±(5%±2)mm/s
Operation temperature	0°C~40°C
Operation humidity	<85%
Power supply	2×LR44 batteries (for 10 hours working)
Dimension	150x22x18mm
Weight	55g

PEN-TYPE DIGITAL MULTIMETER CODE 9241-ML200

- Auto/manual ranging
- Maximum mode
- Data hold
- NCV detection
- Low battery indication
- Auto power off
- Safety rating: CAT III 600V



test lead (included)



clips (included)

SPECIFICATION

Function	Range	Resolution	Accuracy
DC Voltage	200mV/2V/20V/200V/600V	0.1mV/1mV/10mV/0.1V/1V	±(0.7%+2)
AC Voltage	200mV/2V/20V/200V	0.1mV/1mV/10mV/0.1V	±(0.8%+3)
	600V	1V	±(1.0%+3)
DC Current	20mA/200mA	10µA/0.1mA	±(1.5%+3)
AC Current	20mA/200mA	10µA/0.1mA	±(2.0%+3)
Resistance	200Ω	0.1Ω	±(1.0%+3)
	2kΩ/20kΩ/200kΩ/2MΩ	1Ω/10Ω/0.1kΩ/1kΩ	±(1.0%+1)
	20MΩ	10kΩ	±(1.0%+5)
Logic level test	<1.5V (green LED on) 1.5~3.5V (green & red LED off) >3.5V (red LED on)		
Diode	open circuit voltage 1.5V		
Continuity buzzer	<50Ω		
Power supply	2×1.5V AAA batteries		



VIDEO



List Price (₹)	3185
Promotion Price (₹)	2695

STANDARD DELIVERY

Main unit	1 pc
Test lead	1 pc
Clip	2 pcs
Battery (AAA)	2 pcs

DIGITAL MULTIMETER CODE 9216-F520

- 2000 counts digital display
- Auto ranging (except 200mV AC)
- Data hold
- Max hold
- Display with backlight
- Low battery indication
- Auto power off
- Safety rating: CAT III 600V



test leads (included)



temperature probe and adapter (included)



SPECIFICATION

Function	Range	Resolution	Accuracy ("d" is the least reading)
DC Voltage	200mV	0.1mV	$\pm(0.5\%+2d)$
	2V/20V/200V	0.001V/0.01V/0.1V	$\pm(1.0\%+2d)$
	600V	1V	$\pm(1.2\%+2d)$
AC Voltage (50~60Hz)	200mV	0.1mV	$\pm(1.5\%+30d)$
	2V	0.001V	$\pm(1.2\%+3d)$
	20V/200V	0.01V/0.1V	$\pm(1.5\%+3d)$
	600V	1V	$\pm(2.0\%+4d)$
DC Current	200 μ A	0.1 μ A	$\pm(1.0\%+3d)$
	2000 μ A/20mA/200mA	1 μ A/0.01mA/0.1mA	$\pm(1.5\%+3d)$
	10A	0.01A	$\pm(2.5\%+5d)$
AC Current (50~60Hz)	200 μ A	0.1 μ A	$\pm(1.5\%+5d)$
	2000 μ A/20mA/200mA	1 μ A/0.01mA/0.1mA	$\pm(1.8\%+5d)$
	10A	0.01A	$\pm(3.0\%+7d)$
Resistance	200 Ω	0.1 Ω	$\pm(1.2\%+4d)$
	2k Ω	0.001k Ω	$\pm(1.0\%+2d)$
	20k Ω /200k Ω /2M Ω	0.01k Ω /0.1k Ω /0.001M Ω	$\pm(1.2\%+2d)$
	20M Ω	0.01M Ω	$\pm(2.0\%+3d)$
Temperature (type-K)	-50°C to 1000°C	1°C	$\pm(3.0\%+5^{\circ}\text{C})$
	-58°F to 1832°F	1°F	$\pm(3.0\%+8^{\circ}\text{F})$
Diode test	test current: 0.3mA typical	1mV	$\pm(1.0\%+5d)$
Continuity check	less than 100 Ω		
Power supply	9V battery		
Dimension (LxWxH)	150x70x48mm		
Weight	255g		

List Price (₹)	3599
Promotion Price (₹)	3167

STANDARD DELIVERY

Main unit	1 pc
Thermocouple adapter	1 pc
Temperature probe	1 pc
9V battery	1 pc
Test lead	2 pcs

MINI DIGITAL MULTIMETER (BASIC TYPE) CODE 9242-ML100A

- Portable size with protective case
- 2000 counts digital display
- 10A fuse protection
- Low battery indication
- Safety rating: CAT III 600V



test leads (included)

List Price (₹)	1631
Promotion Price (₹)	1321



VIDEO



SPECIFICATION

Function	Range	Resolution	Accuracy ("d" is the least reading)
DC Voltage	200mV/2000mV/20V	0.1mV/1mV/0.01V	$\pm(0.5\%+2d)$
	200V/600V	0.1V/1V	$\pm(1.0\%+2d)$
AC Voltage (50/60Hz)	200V/600V	0.1V/1V	$\pm(1.2\%+10d)$
DC Current	2000 μ A/20mA	1 μ A/0.01mA	$\pm(1.0\%+2d)$
	200mA	0.1mA	$\pm(1.2\%+2d)$
	10A	0.01A	$\pm(2.0\%+2d)$
Resistance	200 Ω /2000 Ω /20k Ω /200k Ω	0.1 Ω /1 Ω /0.01k Ω /0.1k Ω	$\pm(0.8\%+2d)$
	2000k Ω	1k Ω	$\pm(1.0\%+2d)$
Battery test	9V	0.01V	$\pm(1.0\%+2d)$
	1.5V	0.001V	$\pm(1.0\%+2d)$
Diode test	open circuit voltage 2.8V DC		
Continuity check	<30 Ω		
Power supply	1x9V 6F22 battery		
Dimension (LxWxH)	122x61x40mm		
Weight	150g		

STANDARD DELIVERY

Main unit	1 pc
Test lead	2 pcs
9V battery	1 pc

SMART DIGITAL MULTIMETER CODE 9247-190

- Automatically identify test mode for AC voltage/DC voltage/resistance/continuity
- Non-connection AC voltage detection, and judge the strength by light and buzzer
- Self-calibration when power on to ensure accuracy
- LIVE firewire recognition
- Display with backlight
- True RMS measurement
- Data hold
- Low battery indication
- Auto power off
- Safety rating: CAT III 600V



test leads (included)



VIDEO

List Price (₹)	3837
Promotion Price (₹)	3505

STANDARD DELIVERY

Main unit	1 pc
Test lead	2 pcs
Battery (CR2032)	2 pcs

SPECIFICATION

Function	Range	Resolution	Accuracy
DC Voltage	60mV/600mV/6V/60V/600V	0.01mV/0.1mV/0.001V/0.01V/0.1V	±(0.5%+3)
AC Voltage	60mV/600mV/6V/60V/600V	0.01mV/0.1mV/0.001V/0.01V/0.1V	±(1.0%+3)
DC Current	6000µA/60mA/600mA	1µA/0.01mA/0.1mA	±(1.2%+5)
AC Current	6000µA/60mA/600mA	1µA/0.01mA/0.1mA	±(1.5%+5)
Resistance	600Ω/6kΩ/60kΩ/600kΩ	0.1Ω/0.001kΩ/0.01kΩ/0.1kΩ	±(1.0%+5)
	6MΩ/60MΩ	0.001MΩ/0.01MΩ	±(1.5%+3)
Capacitance	6nF/60nF/600nF/6µF/60µF/600µF	0.001nF/0.01nF/0.1nF/0.001µF/0.01µF/0.1µF	±(4.0%+5)
	6mF/60mF	0.001mF/0.01mF	±(5.0%+5)
Frequency	10Hz/100Hz/1000Hz/10kHz/100kHz/1000kHz	0.001Hz/0.01Hz/0.1Hz/0.001kHz/0.01kHz/0.1kHz	±(1.0%+5)
	10MHz	0.001MHz	±(3.0%+5)
Duty cycle	1~99%	0.1%	±(3.0%+5)
Diode measurement	open circuit voltage 2.0V		
Continuity measurement	<50Ω		
Power	2×3V CR2032 batteries		
Dimension (LxWxH)	133×68×18mm		
Weight	178g		

DIGITAL MULTIMETER (WITH JACK INDICATOR LIGHT) CODE 9246-180

- Jack indicator light: jacks flash green to indicate the corresponding jacks for test leads
- NCV detection and judge the strength by light and buzzer
- Self-calibration when power on to ensure accuracy
- LIVE firewire recognition
- Double color backlight (orange backlight prompts high voltage or current: the orange backlight automatically lights up when voltage is higher than 80V or the current is higher than 1A)
- Large range capacitance meter 100mF
- True RMS measurement
- Battery test function
- Max/Min mode
- Data hold
- Low battery indication
- Auto power off
- Safety rating: CAT III 1000V, CAT IV 600V



VIDEO



test leads (included)

List Price (₹)	3491
Promotion Price (₹)	3189

STANDARD DELIVERY

Main unit	1 pc
Test lead	2 pcs
Battery (AA)	2 pcs

SPECIFICATION

Function	Range	Resolution	Accuracy
DC Voltage	600mV/6V/60V/600V/1000V	0.1mV/0.001V/0.01V/0.1V/1V	±(0.5%+3)
AC Voltage	6V/60V/600V/750V	0.001V/0.01V/0.1V/1V	±(0.8%+5)
DC Current	60µA/60mA/600mA/10A	0.01µA/0.01mA/0.1mA/0.01A	±(1.2%+3)
AC Current	60mA/600mA/10A	0.01mA/0.1mA/0.01A	±(1.5%+3)
Resistance	600Ω/6kΩ/60kΩ/600kΩ	0.1Ω/0.001kΩ/0.01kΩ/0.1kΩ	±(1.0%+3)
	6MΩ/60MΩ	0.001MΩ/0.01MΩ	±(1.5%+3)
Capacitance	10nF/100nF/1000nF/10µF/100µF/1000µF	0.001nF/0.01nF/0.1nF/0.001µF/0.01µF/0.1µF	±(4.0%+5)
	10mF/100mF	0.001mF/0.01mF	±(5.0%+5)
Frequency	10Hz/100Hz/1000Hz/10kHz/100kHz/1000kHz	0.001Hz/0.01Hz/0.1Hz/0.001kHz/0.01kHz/0.1kHz	±(1.0%+3)
	10MHz	0.001MHz	±(3.0%+3)
Duty cycle	1~99%	0.1%	±(3.0%+3)
Diode measurement	forward DC current 2.5mA, reverse DC voltage 3.0V		
Continuity measurement	<30Ω		
Power	2×1.5V AA batteries		
Dimension (LxWxH)	188×88×50mm		
Weight	424g		

AC DIGITAL CLAMP METER CODE 9243-CA600

STANDARD DELIVERY

Main unit	1 pc
Test lead	2 pcs
1.5V battery	3 pcs



test leads (included)

SPECIFICATION

Function	Range	Resolution	Accuracy
DC Voltage	200mV/2V/20V/200V	0.1mV/1mV/10mV/0.1V	±(0.8%+2)
	600V	1V	±(1.0%+2)
AC Voltage	2V/20V/200V	1mV/10mV/0.1V	±(1.0%+5)
	600V	1V	±(1.2%+5)
AC Current	2A (≤0.5A)	1mA	±(3.5%+20)
	2A	1mA	±(3.0%+10)
	20A	10mA	±(3.0%+10)
	200A	0.1A	±(2.5%+10)
	600A	1A	±(1.5%+5)
Resistance	200Ω/2kΩ/20kΩ/200kΩ/2MΩ	0.1Ω/1Ω/10Ω/0.1kΩ/1kΩ	±(1.2%+2)
	20MΩ	10kΩ	±(2.0%+5)
Diode measurement	open circuit voltage 1.5V		
Continuity buzzer	<50Ω		
Power supply	3×1.5V AAA batteries		
Dimension	208×78×35mm		
Weight	245g		



VIDEO

- Auto/manual ranging
- Maximum mode
- Data hold
- Display with backlight
- Work light
- Low battery display
- Auto power off
- Safety rating: CAT III 600V

List Price (₹)	3521
Promotion Price (₹)	3430

DIGITAL AC/DC CLAMP METER CODE 9315-CF210

List Price (₹)	6571
Promotion Price (₹)	5782



test leads (included)



temperature probe and adapter (included)

SPECIFICATION

Function	Range	Resolution	Accuracy ("d" is the least reading)
AC Current * (50/60Hz)	40A	0.01A	±(2.5%+8d)
	400A	0.1A	±(2.8%+5d)
DC Current	40A	0.01A	±(2.5%+5d)
	400A	0.1A	±(2.8%+5d)
AC Voltage ** (50-400Hz)	4V/40V/400V	0.001V/0.01V/0.1V	±(1.5%+5d)
	600V	1V	±(2.0%+5d)
DC Voltage	400mV	0.1mV	±(0.8%+2d)
	4V/40V/400V	0.001V/0.01V/0.1V	±(1.5%+2d)
Resistance	600V	1V	±(2.0%+2d)
	400Ω	0.1Ω	±(1.0%+4d)
Resistance	4kΩ/40kΩ/400kΩ	0.001kΩ/0.01kΩ/0.1kΩ	±(1.5%+2d)
	4MΩ	0.001MΩ	±(2.5%+3d)
	40MΩ	0.01MΩ	±(3.5%+5d)
Capacitance	40nF	0.01nF	±(4.0%+20d)
	400nF/4μF/40μF	0.1nF/0.001μF/0.01μF	±(3.0%+5d)
	400μF	0.1μF	±(4.0%+10d)
	4mF	0.001mF	±(5.0%+10d)
Frequency	10Hz/100Hz/1kHz/10kHz	0.01Hz/0.1Hz/0.001kHz/0.01kHz	±(1.2%+2d)
Duty cycle	0.5% to 99.0%	0.1%	±(1.2%+2d)
Temperature (type-K)	-20°C to 760°C	1°C	±(3.0%+5°C)
	-4°F to 1400°F	1°F	±(3.0%+9°F)
Power supply	2x1.5V AAA batteries		
Dimension (LxWxH)	151x75x45mm		
Weight	255g		



- 4000 counts LCD display
- 30mm jaw opening
- True RMS measurement
- NCV detection
- REL (zero) function
- Data hold
- Low battery indication
- Auto power off
- Safety rating: CAT III 600V

STANDARD DELIVERY

Main unit	1 pc
Thermocouple adapter	1 pc
Temperature probe	1 pc
Battery (AAA)	2 pcs
Test lead	2 pcs

*All AC current/voltage ranges are specified from 5% to 100% of range

**AC voltage bandwidth: 50 to 400Hz (sine); 50 to 60Hz (all waves)

AC PHASE AND VOLTAGE DETECTOR CODE 9723-400



SPECIFICATION

List Price (₹)	1303
Promotion Price (₹)	1173
Phase sequence detection	screen display clockwise or counterclockwise
High and low voltage detection	beep: slow~fast backlight: green~red analog bar: low~high
Wire distinction	green backlight indicates neutral wire red backlight indicates live wire
Power supply	2×1.5V AAA batteries
Dimension	157×27×23mm
Weight	32g



- Non-contact detection of phase sequence, high and low voltage, wire distinction
- Low battery indication
- Auto power off
- Flashlight

DIGITAL VOLTAGE TESTER CODE 9721-250

- Direct AC test (contact): 12-250V
two way display: voltage displays on LCD screen and neon lamp lights up (when voltage>80V)
- Induction AC test (non-contact): 12-250V to detect power source or recognize the phase line, ground line and break point
- Direct DC test (contact): 6-36V instant sense and display
- Work without battery
- Tester tip: CRV material



SPECIFICATION

List Price (₹)	411
Promotion Price (₹)	376
Range	AC: 12-250V; DC: 6-36V
Neon lamp life	30000 times
Dimension	133×21×19mm
Weight	22g



VOLTAGE TESTER CODE 9722-250

- Tester tip: CRV material



SPECIFICATION

List Price (₹)	212
Promotion Price (₹)	194
Range	AC: 100-250V
Neon lamp life	30000 times
Dimension	145×Ø15mm
Weight	21g

LASER DISTANCE METERS

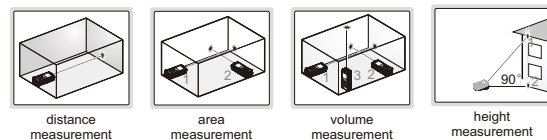
- High accuracy models
- Large display with backlight
- Unit: m, ft, in, ft+in
- Distance, area, volume and height measurement
- Continuous measuring mode to track maximum and minimum value
- Memory of 30 measurement values
- Automatic power off: laser 30s, main unit 180s

SPECIFICATION

Code	9561-50B	9561-70B
List Price (₹)	2500	2886
Promotion Price (₹)	2250	2597
Measuring range	0.2~50m	0.2~70m
Resolution	0.001m, 0.001ft, 1/16"	
Accuracy	±(3+D/20)mm D: measured distance, unit: m	
Laser type	630~670nm, class II, <1mW	
Power supply	2×AAA batteries	
Dimension (L×W×H)	115×50×28mm	
Weight	95g	



9561-50B



STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	2 pcs

PORTABLE CONDUCTIVITY/TDS METER CODE 0411-0200

- Reading mode: auto-read and continuous-read
- Automatic/manual temperature compensation
- Auto-hold feature senses and locks the measurement endpoint
- Cell constant is settable
- 1 point calibration with standard recognition
- Data capacity up to 200 sets for each parameter
- IP65 dust/waterproof
- Auto power off



IP65
WATERPROOF



SPECIFICATION

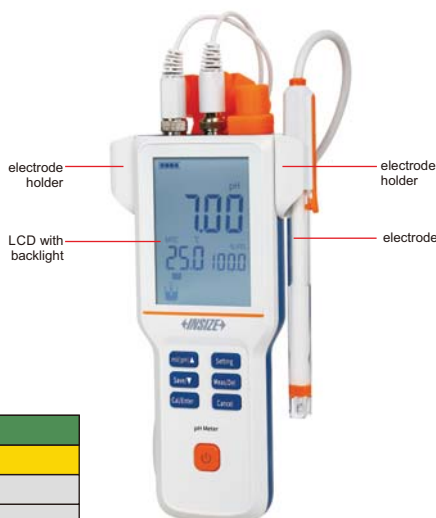
List Price (₹)	36631	
Promotion Price (₹)	31869	
Conductivity	range	0.00µS/cm~200mS/cm
	resolution	0.01µS/cm minimum
	accuracy	±1.0%FS
	reference temperature	25°C/77°F
	calibration point	1
TDS	range	0.00mg/L~300g/L
	resolution	0.01mg/L minimum
	accuracy	±1.0%FS
	reference temperature	25°C/77°F
Temperature	range	-5~110°C/23~230°F
	resolution	0.1°C/0.2°F
	accuracy	±0.2°C/±0.4°F
Input	electrode with 5-pin aviation connector	
Power supply	rechargeable battery	
Dimension	80×225×35mm	
Weight	400g	

STANDARD DELIVERY

Main unit	1 pc
Electrode	1 pc
Electrode holder	2 pcs
Wristband	1 pc
Silicone rubber case	1 pc
AC/DC adapter and charging cable	1 pc
Standard solution	1 bottle

PORTABLE pH METER CODE 0431-0018

- Reading mode: auto-read and continuous-read
- Automatic/manual temperature compensation
- Auto-hold feature senses and locks the measurement endpoint
- 1 or 2 points calibration with standard recognition
- Data capacity up to 200 sets for each parameter
- IP65 dust/waterproof
- Auto power off



IP65
WATERPROOF



SPECIFICATION

List Price (₹)	31228	
Promotion Price (₹)	27168	
pH	range	-2.00~18.00pH
	resolution	0.01pH
	accuracy	±0.01pH
	calibration point	1 or 2
	standard recognition	NIST pH buffers: 4.01, 7.00, 10.01
Voltage	range	-1999~1999mV
	resolution	1mV
	accuracy	±0.1%FS
Temperature	range	-5~110°C/23~230°F
	resolution	0.1°C/0.2°F
	accuracy	±0.2°C/±0.4°F
Inputs	pH electrode: BNC (Q9) temp. probe: 4-pin aviation connector	
Power supply	rechargeable battery	
Dimension	80×225×35mm	
Weight	400g	

STANDARD DELIVERY

Main unit	1 pc
Electrode	1 pc
Electrode holder	2 pcs
Wristband	1 pc
Silicone rubber case	1 pc
AC/DC adapter and charging cable	1 pc
Standard solution	3 bottles
KCL powder	1 bottle

DIGITAL REFRACTOMETER CODE ISQ-DRM31

SUITABLE FOR WATER
BASED COOLANT



- Quickly measure the concentration of coolant
- Two measurement modes: single measurement and automatic average multiple measurement
- Two units: brix and refractive index
- Refer to the refraction factor of coolant, for example: the refraction factor of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is $(2.1 \times 6\%) = 12.6\%$
- Automatic power off

SPECIFICATION

List Price (₹)	19662
Promotion Price (₹)	17445
Measuring range	0~50% (1.3330~1.4200RI)
Accuracy	±0.2% (±0.0003RI)
Resolution	0.1% (0.0001RI)
Power supply	1×AAA battery
Dimension	121×58×25mm
Weight	90g

STANDARD DELIVERY

Main unit	1 pc
Dropper	1 pc
Battery (AAA)	1 pc

dropper (included)



MINI DIGITAL REFRACTOMETER CODE 5801-A55

SUITABLE FOR WATER
BASED COOLANT

- Quickly measure the concentration of coolant
- Automatic temperature compensation
- Brix and refractive index can be displayed
- Refer to the refraction coefficient of coolant, for example: the refraction coefficient of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is $(2.1 \times 6\%) = 12.6\%$
- Automatic power off



dropper (included)



STANDARD DELIVERY

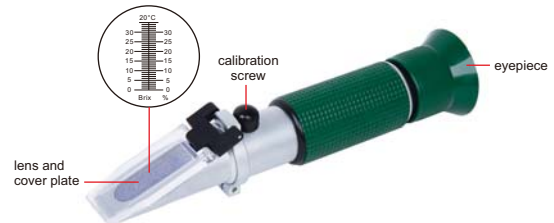
Main unit	1 pc
Dropper	1 pc

SPECIFICATION

List Price (₹)	12902
Promotion Price (₹)	11612
Measuring range	0~50% (1.3330~1.4200RI)
Accuracy	±0.2% (±0.0003RI)
Resolution	0.1% (0.0001RI)
Power supply	built-in 3.7V rechargeable lithium battery
Dimension	147×46×27mm
Weight	115g (including battery)

PORTABLE REFRACTOMETER CODE ISQ-RM30

SUITABLE FOR WATER
BASED COOLANT



- Quickly measure the concentration of coolant
- Refer to the refraction factor of coolant, for example: the refraction factor of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is $(2.1 \times 6\%) = 12.6\%$



SPECIFICATION

List Price (₹)	4530
Promotion Price (₹)	3284
Measuring range	0~32%
Graduation	0.2%
Dimension	27×40×160mm
Weight	175g

DIGITAL STOPWATCH CODE DSW-A010

SPECIFICATION

List Price (₹)	2650	
Promotion Price (₹)	2421	
Measuring range	0~9 hours, 59 minutes, 59.99 seconds	
Resolution	0.01s	
Accuracy	±0.5s	
Function	memory	10 groups
	timer	up to 10 hours
	time	12-hour or 24-hour time display, alarm can be set
Power supply	LR44 battery	
Screen dimension	33.6×13.6mm	
Dimension	76×63×16mm (metal case)	

- Split time, total time and continuous time can be displayed
- 10 groups of results can be read out from memory after resetting
- Scroll back and forth to read out the memory digits
- The fastest, slowest and average time can be displayed
- Able to record the split times (00-199)

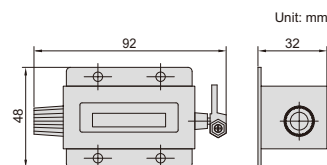


STANDARD DELIVERY

Main unit	1 pc
String	1 pc

STROKE COUNTER CODE 7600-6

- Accumulate and record the number of mechanical movements
- Rotate back to zero



SPECIFICATION

Code	Number of digits	Range	List Price (₹)	Promotion Price (₹)
7600-6	6	0-999999	507	424

BOURDON TUBE PRESSURE GAGES (LIQUID FILLED)

- Stainless steel case and bezel, copper alloy internals
- Shock-proof and pulse-proof
- Suitable for pneumatic system, hydraulic system and compressed air system



5201-63B2Y10

CAN BE CUSTOMIZED

Dial size	Ø63mm		
Process connection	1/4BSP	1/4ZG	1/4NPT
Connector location	bottom	bottom	bottom
Range (0~10bar/0~150psi)	5201-63B2Y10	5201-63Z2Y10	5201-63N2Y10
List Price (₹)	1026	1026	1026
Promotion Price (₹)	718	718	718

SPECIFICATION

Accuracy class	1.6
Ambient temperature	-20~60°C
Medium temperature	≤60°C

DIGITAL MOISTURE METER CODE 9341-50



- Suitable for wood, smooth cement, hard gypsum, mixed mortar, brick, etc.
- Measure moisture, temperature and relative humidity
- Temperature type: ambient, dew point, wet bulb
- Maximum and minimum modes
- Automatic power off



SPECIFICATION

List Price (₹)	7554	
Promotion Price (₹)	6955	
Measuring depth	0~50mm	
Measuring range	moisture	0~60%
	temperature	-10~50°C/14~122°F
	relative humidity	0~100%RH
Accuracy	moisture	±2%
	temperature	±2%
	relative humidity	±5%RH
Resolution	moisture	0.1%
	temperature	0.1°C/0.1°F
	relative humidity	0.1%RH
Sampling time	0.5s for moisture	
	1s for temperature and relative humidity	
Power supply	2×AAA batteries	
Dimension	130×56×29mm	
Weight	206g	

STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	2 pcs

INDUCTIVE MOISTURE METER CODE 0120-IM24

- Suitable for wood, gypsum and cement
- MAX/MIN/HOLD mode
- Alarm function
- Low battery indication
- Auto power off



SPECIFICATION

List Price (₹)	9265
Promotion Price (₹)	7875
Measuring range	0~100%
Resolution	1%
Accuracy	±4%
Detection depth	20~40mm
Sampling time	0.5s
Battery	9V
Dimension	185×55×38mm
Weight	193g

STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

ANEMOMETER CODE 0110-1125

- Measure air velocity and temperature
- Min/Max, data hold function
- Bluetooth 4.0
- Auto power off
- Supplied with APP for Apple and Android

SPECIFICATION

List Price (₹)	7600			
Promotion Price (₹)	6612			
Air velocity	Unit	Measuring range	Resolution	Accuracy
	m/s	1.1~25.0	0.01	±(3%+0.3)
	km/h	4~90	0.1	±(3%+1)
	ft/min	220~4920	1	±(3%+40)
	MPH	2.5~56.0	0.1	±(3%+0.4)
knots	2.2~48.0	0.1		
Air temperature	°C	0~50	0.1	±2
	°F	32~122	0.1	±4
Sensors	air velocity sensor, NTC-type precision thermistor			
Sampling time	0.5s			
Operation altitude	max 2000m			
Operation environment	0~50°C, 0~80%RH			
Storage environment	-10~60°C, 0~80%RH			
Auto power off	10 minutes			
Data port	Bluetooth 4.0			
Power supply	9V			
Dimension	213×54×36mm			
Weight	172g			



STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

DIGITAL ANEMOMETER CODE 9331-40

- Measure velocity, flow, temperature and relative humidity
- Velocity unit: m/s, km/h, mil/h, ft/m, ft/s, knots
- Flow unit: CMS (cubic meter per second), CMM (cubic meter per minute), CFM (cubic feet per minute)
- Temperature type: ambient, dew point, wet bulb
- Maximum and minimum modes
- Automatic power off

SPECIFICATION

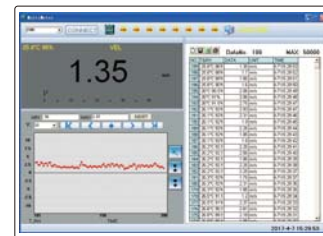
List Price (₹)	10040	
Promotion Price (₹)	8939	
Measuring range	velocity	0.8~30m/s, 2.88~108km/h, 1.8~67.2mil/h, 2.62~98.5ft/s, 157.5~5900ft/m, 1.6~58.3knots
	flow	0~99.99CMS, 0~999.9CMM, 0~999.9CFM
	temperature	-10~60°C/14~140°F
	relative humidity	0~100%RH
Accuracy	velocity	±(2%+0.5) for m/s, km/h, mil/h, ft/s, knots ±(2%+50) for ft/m
	temperature	±1.5°C/±2.7°F
	relative humidity	±3% (20~80%RH), ±5% (<20%RH or >80%RH)
Resolution	velocity	0.01m/s, 0.01km/h, 0.01mil/h, 0.01ft/s, 1ft/m, 0.01knots
	flow	0.01CMS, 0.1CMM, 0.1CFM
	temperature	0.1°C/0.1°F
	relative humidity	0.1%RH
Flowing area range	0~9.999m ² /0~9.999ft ²	
Sampling time	0.4s	
Maximum working height	2000m	
Output	USB	
Power supply	9V battery	
Dimension	165×85×38mm	
Weight	200g	



DATA
OUTPUT



VIDEO



software (included), display measurement values and graph, save and output data

STANDARD DELIVERY

Main unit	1 pc
Software and USB cable	1 pc
9V battery	1 pc



software flash disk (included)

DIGITAL SOUND LEVEL METER (ADVANCED TYPE) CODE 9353-413

SPECIFICATION

List Price (₹)	19162
Promotion Price (₹)	17246
Measuring range	40dB~130dB (ref.20μPa)
Frequency	20Hz~12.5kHz
Resolution	0.1dB
Accuracy	IEC 61672-1:2013 Class 2
Frequency weighting	A weighting
Response time	fast (125ms), slow (1s)
Microphone	pre polarization condenser microphone
Reference direction	axial direction of condenser microphone
Power supply	4×1.5V AAA batteries
Dimension	210×68×27mm
Weight	240g

- Automatic range conversion
- Over range indicator
- Maximum mode
- Data hold
- AC signal output: 0.707Vrms, impedance approx.100Ω
- DC signal output: 20mV/dB, impedance approx.1kΩ

STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	4 pcs
Screwdriver	1 pc

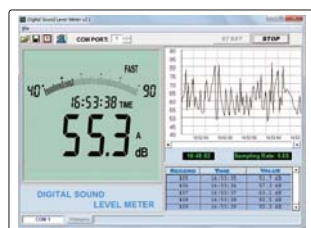


DIGITAL SOUND LEVEL METER CODE 9351-130

DATA
OUTPUT



VIDEO



software (included), display measurement values and graph, save and output data



- Automatically select best range: 30~80dB, 40~90dB, 50~100dB, 60~110dB, 70~120dB, 80~130dB
- Over range indicator
- Real time, average, maximum modes
- Memory 16000 measurement values
- AC signal output: 0.707 Vrms at FS, impedance approx. 600Ω
- DC signal output: 10mV/dB, impedance approx.100Ω
- Automatic power off

SPECIFICATION

List Price (₹)	15028
Promotion Price (₹)	13225
Measuring range	30~130dB
Accuracy	±2dB
Resolution	0.1dB
Sampling time	0.5s for digital, 0.05s for analogue
Response time	fast: 125ms, slow: 1s
Frequency	30Hz~8KHz
Frequency weighting	A/C
Microphone	electret condenser type
Output	RS232, AC/DC
Power supply	6×AAA batteries
Dimension	265×80×69mm
Weight	317g

STANDARD DELIVERY

Main unit	1 pc
Software and RS232 cable	1 pc
Output connector	1 pc
Battery (AAA)	6 pcs



software flash disk
(included)

SOUND LEVEL METER (BASIC TYPE) CODE 0010-A35

App measurement



App record

Time	Value (dB)
1	88.2
2	81.2
3	86.4
4	88.1
5	88.3
6	81.7
7	84.4
8	84.8
9	88.9



- Auto range selection
- Over range indication
- Display backlight
- Min/Max, data hold function
- Bluetooth 4.0
- Auto power off
- Supplied with APP for Apple and Android

SPECIFICATION

List Price (₹)	7600
Promotion Price (₹)	6612
Frequency	31.5Hz~8KHz
Measuring range	35dB~130dB
Accuracy	±3.0dB (ref 94dB@1kHz)
Resolution	0.1dB
Frequency weighting	A and C
Display update	2 times/sec
Microphone	1/2 inch electret condenser microphone
Power supply	9V battery
Operation temperature and humidity	0°C~40°C/32°F~104°F, 10%RH~90%RH
Dimensions	185×54×36mm
Weight	184g

STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc
Windscreen	1 pc

LIGHT METER (BASIC TYPE) CODE 0130-L110

- Suitable for measuring illuminance in various occasions
- Data hold function
- Fast switching of measuring range, easy to operate

SPECIFICATION

List Price (₹)	2674		
Promotion Price (₹)	2005		
Measuring range	1~1999Lux	10~19990Lux	100~100000Lux
Resolution	1Lux	10Lux	100Lux
Accuracy	± (4%+10d), range<10000Lux ± (5%+10d), range≥10000Lux (d is resolution, calibrated with standard incandescent lamp at color temperature 2856K)		
Repeatability	±2%		
Sampling time	0.5s		
Operation environment	0~40°C, 0~70%RH		
Storage environment	-10~50°C, 0~80%RH		
Battery	9V		
Photodetector dimension	105×58×28mm		
Main unit dimension	130×72×30mm		
Weight	170g		



STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

LIGHT METER CODE 0131-A120

- Photosensor can rotate 90° clockwise and rotate 180° counterclockwise
- Build-in calibration filters ensure the accuracy when working in different colors
- Data hold function
- Lux/FC unit switch
- Low battery warning

SPECIFICATION

List Price (₹)	4856			
Promotion Price (₹)	3642			
Measuring range	0.1~199.9Lux	1~1999Lux	10~19990Lux	100~199900Lux
Resolution	0.1Lux	1Lux	10Lux	100Lux
Measuring range	0.01~19.99FC	0.1~199.9FC	1~1999FC	10~19990FC
Resolution	0.01FC	0.1FC	1FC	10FC
Accuracy	±(4%+10d), range<20000Lux/2000FC ±(5%+10d), range≥20000Lux/2000FC (d is resolution, calibrated with standard incandescent lamp at color temperature 2856K)			
Repeatability	±2%			
Sampling time	0.5s			
Operation environment	0~40°C, 0~70%RH			
Storage environment	-10~50°C, 0~80%RH			
Battery	9V			
Dimension	185×68×38mm			
Weight	130g			



STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

DATA
OUTPUT



TESLAMETERS (GAUSSMETERS)

- Measure magnetic induction of DC magnetic field
- Directly display the N/S polarity of the measured magnetic field
- One-key zero function: eliminate the influence of zero drift before measurement
- Maximum value hold: record the maximum value of the changing magnetic field
- Unit switch between mT or G (1mT=10G)
- Auto ranging
- Built-in USB interface for data transmission
- Display with backlight
- Auto power off



axial probe (optional)



0501-MA01

radial probe
(included)

SPECIFICATION

Code	0501-MA01	0501-MA05
List Price (₹)	29347	11809
Promotion Price (₹)	24945	10038
Range	2000mT	
Resolution	0.01mT (0~200mT) 0.1mT (200~2000mT)	
Accuracy	±1.0%	±2.0% (≤1000mT) ±5.0% (1000mT~2000mT)
Temperature coefficient	±0.1%/K	
Zero drift	±0.5mT/h	
Interface	USB	
Power supply	3×1.5V AA batteries or USB	
Dimension (L×W×H)	165×90×40mm	
Weight	350g	

STANDARD DELIVERY

Main unit	1 pc
Radial probe	1 pc
Battery (AA)	3 pcs

OPTIONAL ACCESSORY

Axial probe	0501-PA
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LASER BELT TENSION METER CODE 5900-HZ18

- Laser sensor, direct measurement, easy to use
- Two sensors: internal and external, external sensor is suitable for measurement in narrow spaces
- Automatic power off

SPECIFICATION

List Price (₹)	76044	
Promotion Price (₹)	64637	
Measuring range	10~800Hz	
Input parameter range	maximum free belt length: 99.99m maximum belt weight: 9.999kg/m	
Accuracy	±5%	
Unit	N, lbf	
Measuring distance	3~20mm	
Operation temperature	10~50°C	
Power supply	4×1.5V AAA batteries	
Dimension	main unit	178×72×34mm
	external sensor	124×21×12mm
Weight	180g	



external sensor

internal sensor

STANDARD DELIVERY

Main unit	1 pc
External sensor	1 pc



23

PROFILE AND ROUGHNESS TESTERS

←INSIZE→



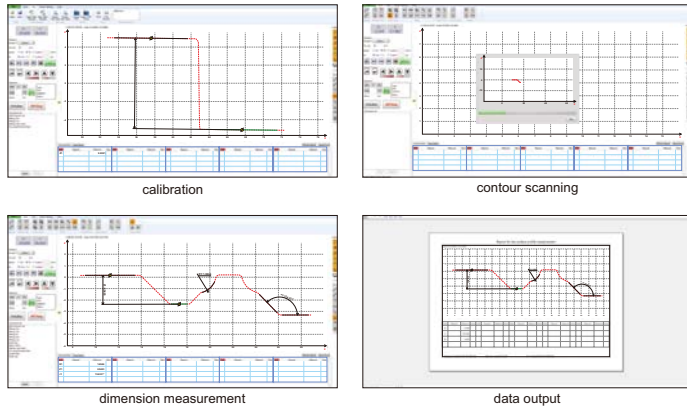
Surface Profile Measuring Machines
Page 218



Roughness Testers
Page 219-222

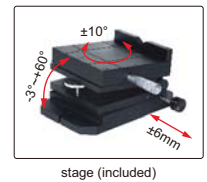
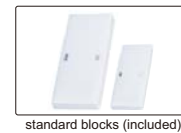
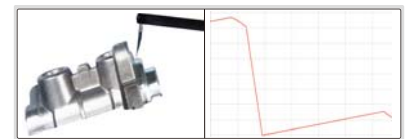
SURFACE PROFILE MEASURING MACHINE CODE SPM-1000

- Software is included, for surface profile measurement and data output
- Probe compensation
- Output as format txt, csv, etc.
- Large range design, the leverage ratio is 1:2.2, maintain the original accuracy of the sensor
- The overall structure of the Z-axis sensor does not have any elastic components, ensuring the measuring force is constant regardless the position of probe



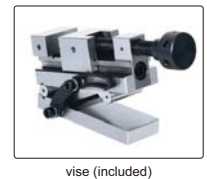
SPECIFICATION

List Price (₹)	ON REQUEST
Promotion Price (₹)	ON REQUEST
X axis measuring range	140mm
X axis resolution	0.2µm
X axis straightness	0.8µm/100mm
X axis moving speed	0.1~10mm/s
Z axis measuring range	±20mm
Z axis resolution	0.05µm
Z axis moving speed	0.5~10mm/s
Linear accuracy	±(1.5+ 0.2H)µm, H is measuring height in mm
Angular measuring accuracy	±2'
Arc measuring accuracy	±(2+R/8)µm, R is 2~10mm standard ball
Radius of probe tip	25µm
Moving direction	backward
Measuring force	6.86~9.8mN
Measuring unit	mm/inch
Traceable angle	72° (upward), 87° (downward)
Drive mode	motor
Travel of Z axis	430mm
Dimension (L×W×H)	1200×700×1780mm
Power supply	220±5%V, 50Hz
Weight	320kg



STANDARD DELIVERY

Main unit	1 pc
Standard probe and arm	1 pc of each
Standard block	2 pcs
Standard ball	2 pcs
Standard shaft	1 pc
Stage	1 pc
Vise	1 pc
Measuring arm	1 pc
Computer	1 pc
Measurement software	1 pc
Printer	1 pc
Installation tools	1 set



OPTIONAL ACCESSORY

Probe and arm refer to details

SPECIFICATION OF PROBES AND ARMS

Unit: mm

<p>chisel probes</p> <p>code SPM-1000-T01 (H=32mm, included) code SPM-1000-T02 (H=48mm, optional) code SPM-1000-T03 (H=68mm, optional)</p>	<p>cone probes</p> <p>code SPM-1000-Z01 (H=32mm, optional) code SPM-1000-Z02 (H=48mm, optional) code SPM-1000-Z03 (H=68mm, optional)</p>	<p>ball probes</p> <p>code SPM-1000-R01 (H=32mm, optional) code SPM-1000-R02 (H=48mm, optional) code SPM-1000-R03 (H=68mm, optional)</p>	<p>standard arm, code SPM-1000-SP (included), probe is not included</p>
<p>arm for small holes, code SPM-1000-SBP (optional), probe is included</p> <p>measure the contour of holes with diameter > Ø8mm</p>	<p>transverse arm, code SPM-1000-LP (optional), probe is included</p> <p>measure the contour of holes in radial direction</p>		

ROUGHNESS TESTER CODE ISR-C002

CAN BE OPERATED BY
MOBILE PHONES OR COMPUTERS

BLUETOOTH

DATA
OUTPUT

- Roughness tester can be operated by mobile phones (only Android system) or computers
- Data can be sent to Excel by connecting to computers via bluetooth or SPC cable
- Support bluetooth printer
- 21 roughness parameters
- Display roughness value, profile and curve
- Memory of maximum 100 results
- Automatic power off



software flash disk (included)

List Price (₹)	118330
Promotion Price (₹)	93212

probe cover (included)



adjustable stand (included)



bluetooth printer (optional)



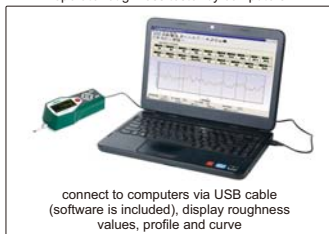
light duty test stand (optional)



heavy duty test stand (optional)



operate roughness tester by computers



operate roughness tester by mobile phones



Unit: mm

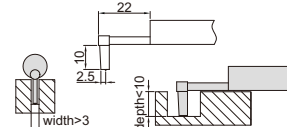
extension rod (optional), code ISR-C002-ER



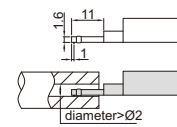
transverse rod (optional), code ISR-C002-TR



deep groove probe (optional), code ISR-C002-DGP



tiny hole probe (optional), code ISR-C002-SBP



data can be sent to Excel by connecting to computer via bluetooth or SPC cable

via bluetooth



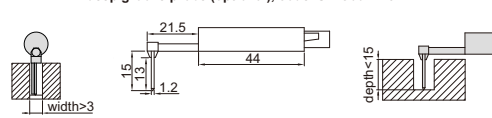
SPC cable (optional)



via SPC cable



deep groove probe (optional), code ISR-C002-DGP1



SPECIFICATION

Parameters	Ra, Rz, Rq, Rv, Rp, RS, R3z, R3y, Rt, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry (JIS), Rmax	
Range	320μm (-160μm~160μm)	
Accuracy	±10%	
Resolution (Ra)	0.001μm	
Probe	type	inductive
	stylus radius/angle	5μm/90°
	stylus material	diamond
Measuring force	4mN	
Measuring unit	μm/μin	
Cut off	0.25/0.8/2.5mm	
Number of cut-off	1 to 5	
Moving speed	0.5mm/s, 1mm/s	
Memory	100 measurement results	
Output	bluetooth and USB	
Power	built-in rechargeable battery	
Dimension (L×W×H)	141×55×40mm	
Weight	400g	

STANDARD DELIVERY

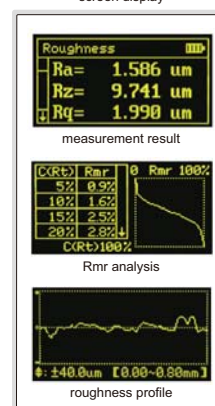
Main unit	1 pc
Standard probe	1 pc
Calibration block and support	1 pc of each
Adjustable stand	1 pc
Probe cover	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

OPTIONAL ACCESSORY

Extension rod	ISR-C002-ER
Transverse rod	ISR-C002-TR
Tiny hole probe	ISR-C002-SBP
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1*
Light duty test stand	ISR-C002-STAND1
Heavy duty test stand	ISR-C002-STAND
Bluetooth printer	ISR-C002-PRINTER
Receiver	ISR-C300-RECEIVER
SPC cable	ISR-C300-SPC

*Need to be delivered with roughness tester ISR-C002

screen display



ROUGHNESS TESTER (SEPARABLE TYPE) CODE ISR-C300

CAN BE OPERATED BY
MOBILE PHONES OR COMPUTERS

TOUCH SCREEN

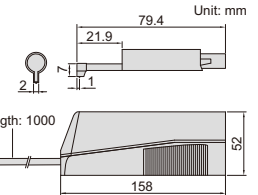
- Roughness tester can be operated by mobile phone (only Android system) or computers
- Data can be sent to Excel by connecting to computers via bluetooth or SPC cable
- Support bluetooth printer
- 22 roughness parameters
- Meet ISO, DIN, ANSI, JIS standards
- Display roughness values, profile and curve
- Memory of maximum 100 data and waveform
- Built-in lithium battery, working time more than 50 hours
- Touch screen
- Automatic power off



VIDEO

BLUETOOTH

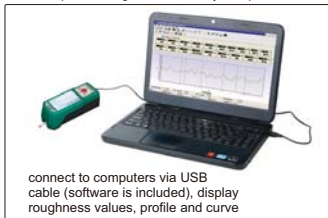
DATA
OUTPUT



List Price (₹)	133702
Promotion Price (₹)	111775

POPULAR
MODEL

operate roughness tester by computers



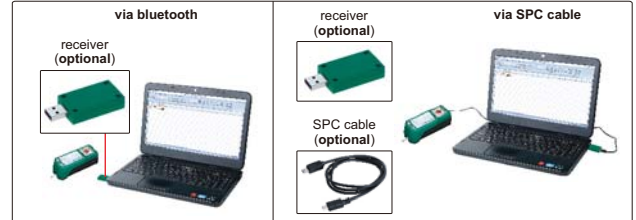
connect to computers via USB cable (software is included), display roughness values, profile and curve

operate roughness tester by mobile phones



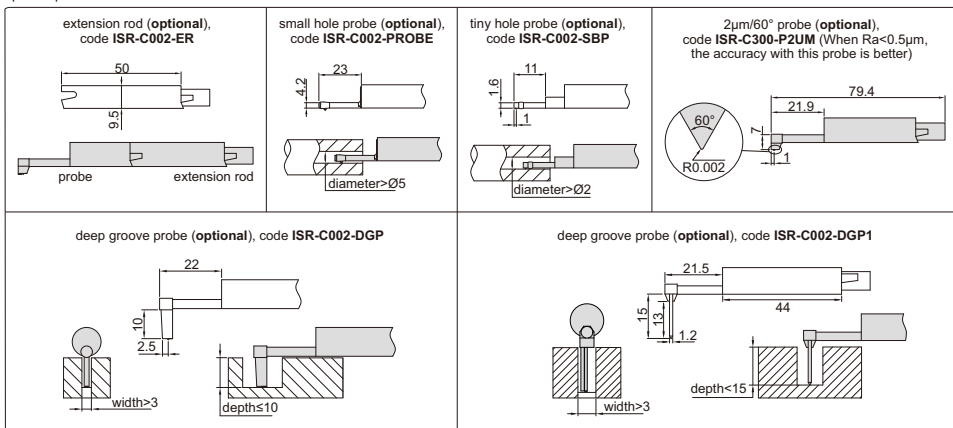
connect to mobile phones via bluetooth (only Android system), display roughness values, profile and curve

data can be sent to Excel by connecting to computer via bluetooth or SPC cable

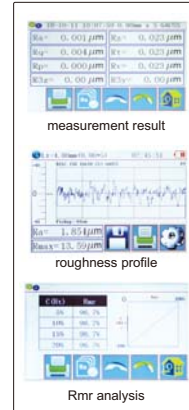


optional probes

Unit: mm



roughness tester screen display



software flash disk (included)

probe and main unit can be combined together



SPECIFICATION

Parameters		Ra, Rz, Rq, Rv, Rp, Rs, R3z, R3y, Rt, Rc, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry, Rmax
Range	X axis	17.5mm
	Z axis	320µm (-160µm~160µm)
Accuracy		±10%
Resolution (Ra)		0.001µm
Probe	type	inductive
	stylus radius/angle	5µm/90°
	stylus material	diamond
Measuring force		4mN
Measuring unit		µm/µin
Cut off		0.25/0.8/2.5mm
Number of cut-offs		1~5
Moving speed		0.135mm/s, 0.5mm/s, 1mm/s
Memory		100 measurement results
Output		bluetooth and USB
Power		built-in rechargeable battery
Dimension (L×W×H)		158×64×52mm
Weight		400g

magnetic stand adapter (included)



can be installed on magnetic stands

height gage adapter (optional)



can be installed on height gages

light duty test stand (optional)



the maximum workpiece height is 220mm

heavy duty test stand (optional)



the maximum workpiece height is 310mm

NOTE: Please check whether the adapter can fit your height gages. When using INSIZE height gages, please use the dial test indicator holder of height gages

To be continued

Continued from previous page

bluetooth printer (optional)



adjustable stand (included)



STANDARD DELIVERY

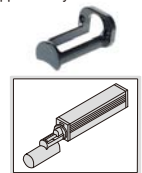
Main unit	1 pc
Standard probe	1 pc
Calibration block and support	1 pc of each
Connecting cable (long and short)	1 pc of each
Magnetic stand adapter	1 pc
Adjustable stand	1 pc
Touch pen	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

OPTIONAL ACCESSORY

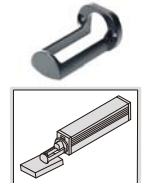
Extension rod	ISR-C002-ER
Small hole probe	ISR-C002-PROBE
Tiny hole probe	ISR-C002-SBP
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1*
2µm/60° probe	ISR-C300-P2UM
Bluetooth printer	ISR-C002-PRINTER
Height gage adapter	ISR-C300-LB1
Receiver	ISR-C300-RECEIVER
SPC cable	ISR-C300-SPC
Support for flat surface	ISR-C300-COVER1
Support for cylindrical surface	ISR-C300-COVER2
Light duty test stand	ISR-C002-STAND1
Heavy duty test stand	ISR-C002-STAND

probe support (optional)

support for cylindrical surface



support for flat surface



*Need to be delivered with roughness tester **ISR-C300**

**ROUGHNESS TESTER
CODE ISR-T120**

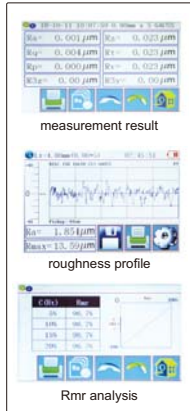


- DATA OUTPUT
- BLUETOOTH
- TOUCH SCREEN
- CAN BE OPERATED BY MOBILE PHONES OR COMPUTERS

- Roughness tester can be operated by mobile phones (only Android system) or computers
- Data can be sent to Excel by connecting to computers via bluetooth or SPC cable
- Built-in printer can print measurement results and graphics
- 22 roughness parameters
- Meet ISO, DIN, ANSI, JIS standards
- Display roughness values, profile and curve
- Memory of maximum 100 data and waveform
- Built-in lithium battery, working time more than 50 hours
- Automatic power off



roughness tester screen display

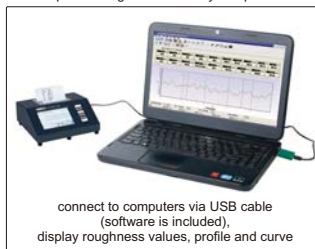


operate roughness tester by mobile phones



connect to mobile phones via bluetooth (only Android system), display roughness values, profile and curve

operate roughness tester by computers



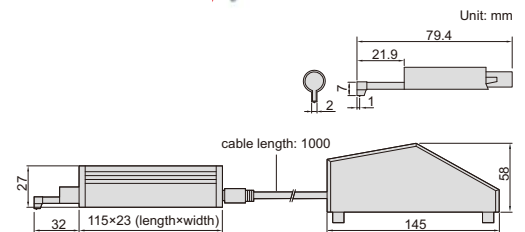
connect to computers via USB cable (software is included), display roughness values, profile and curve

data can be sent to Excel by connecting to computer via bluetooth or SPC cable

via bluetooth receiver (optional)



via SPC cable (optional)



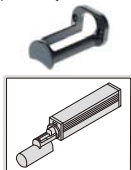
List Price (₹)	179670
Promotion Price (₹)	161703

magnetic stand adapter (included)

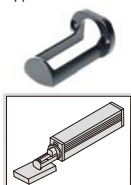


probe support (optional)

support for cylindrical surface



support for flat surface



height gage adapter (optional)



NOTE: Please check whether the adapter can fit your height gages. When using INSIZE height gages, please use the dial test indicator holder of height gages

light duty test stand (optional)



the maximum workpiece height is 220mm

heavy duty test stand (optional)



the maximum workpiece height is 310mm

To be continued

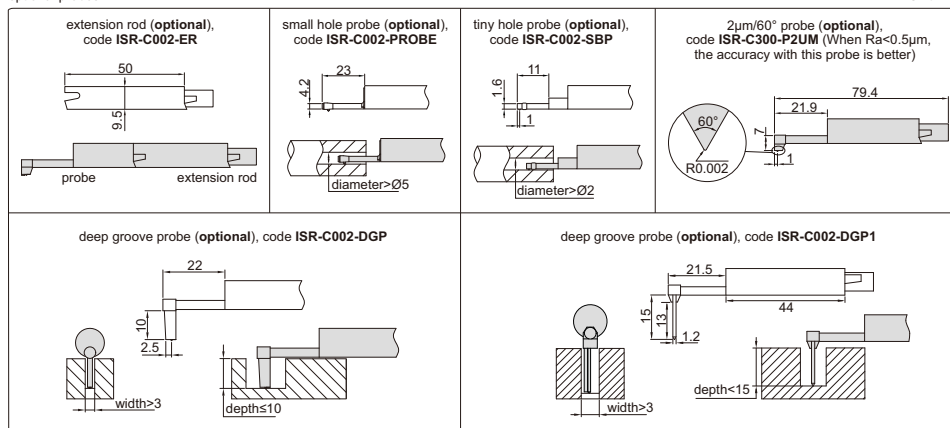
Continued from previous page

STANDARD DELIVERY

Main unit	1 pc
Standard probe	1 pc
Calibration block and support	1 pc of each
Magnetic stand adapter	1 pc
Adjustable stand	1 pc
Touch pen	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

optional probes

Unit: mm



SPECIFICATION

Parameters	Ra, Rz, Rq, Rv, Rp, Rs, R3z, R3y, Rt, Rc, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry, Rmax	
Range	X axis	17.5mm
	Z axis	640µm (-320µm~320µm)
Accuracy	±10%	
Resolution (Ra)	0.001µm	
Probe	type	inductive
	stylus radius/angle	5µm/90°
	stylus material	diamond
Measuring force	4mN	
Measuring unit	µm/µin	
Cut off	0.25/0.8/2.5mm	
Number of cut-offs	1~5	
Traverse speed	0.135mm/s, 0.5mm/s, 1mm/s	
Memory	100 measurement results	
Output	bluetooth and USB	
Power	built-in rechargeable battery	
Dimension (L×W×H)	158×64×52mm	
Weight	400g	

OPTIONAL ACCESSORY

Extension rod	ISR-C002-ER
Small hole probe	ISR-C002-PROBE
Tiny hole probe	ISR-C002-SBP
2µm/60° probe	ISR-C300-P2UM
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1 *
Height gage adapter	ISR-C300-LB1
Receiver	ISR-C300-RECEIVER
SPC cable	ISR-C300-SPC
Support for flat surface	ISR-C300-COVER1
Support for cylindrical surface	ISR-C300-COVER2
Light duty test stand	ISR-C002-STAND1
Heavy duty test stand	ISR-C002-STAND

*Need to be delivered with roughness tester **ISR-T120**

ROUGHNESS TESTER (BASIC TYPE) CODE ISR-C003

ATTENTION: THIS ROUGHNESS TESTER IS NOT SUITABLE FOR ROUGH TURNING, MILLING AND PLANING WORKPIECES

SPECIFICATION

List Price (₹)	88996	
Promotion Price (₹)	76130	
Parameters	Ra, Rz, Rq, Rt	
Range	Ra, Rq: 0.05~15µm Rz, Rt: 0.1~50µm	
Accuracy	±10%	
Resolution (Ra)	0.01µm	
Probe	type	piezoelectric
	stylus radius/angle	10µm/90°
	stylus material	diamond
Measuring force	5mN	
Measuring unit	µm/µin	
Cut off	0.25/0.8/2.5mm	
Evaluation length	1.25mm for cut off 0.25mm	
	4mm for cut off 0.8mm	
	5mm for cut off 2.5mm	
Moving speed	0.75mm/s	
Power	built-in rechargeable battery	
Dimension (L×W×H)	106×70×24mm	
Weight	200g	



- Unit: µm, µin
- Automatic power off

STANDARD DELIVERY

Main unit	1 pc
Calibration block	1 pc
AC/DC adapter	1 pc



OPTIONAL ACCESSORY

Fixture for small shafts	ISR-C003-FIXTURE
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Rockwell Hardness Testers
Page 224-227



Micro-Vickers Hardness Testers
Page 228



Vickers Hardness Testers
Page 229



Brinell Hardness Testers
Page 229-230



Brinell/Rockwell/Vickers Hardness Testers
Page 231-232



Portable Leeb Hardness Testers
Page 232-237



Portable Rockwell Hardness Testers
Page 237



Hydraulic Brinell Hardness Testers
Page 238



Aluminum Hardness Testers
Page 238



Barcol Hardness Testers
Page 238



Shore Durometers
Page 239-240



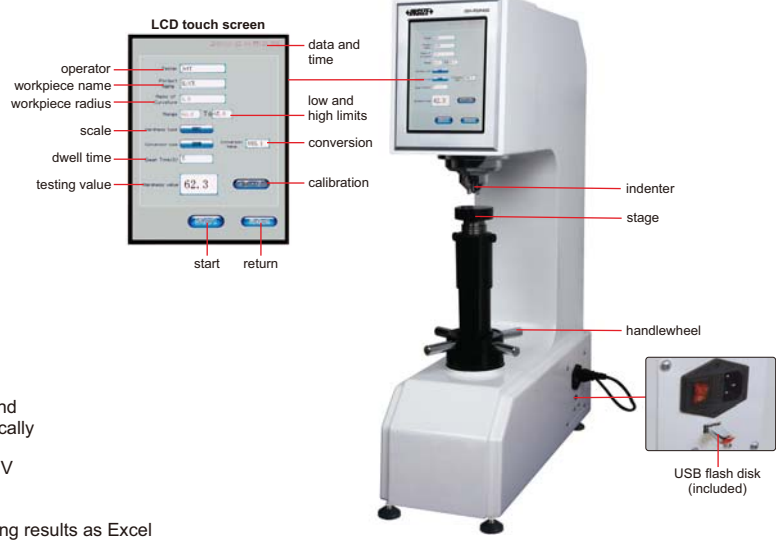
Hardness Test Blocks
Page 240-241

MOTORIZED DIGITAL ROCKWELL HARDNESS TESTER CODE ISH-RSR400

FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS)

DATA OUTPUT

INSPECTION CERTIFICATE



- Automatic testing, the preliminary and main test force are loaded automatically
- LCD touch screen, easy operation
- Convert to other Rockwell scales, HV or HB automatically
- Tolerance testing
- Insert USB flash disk, save the testing results as Excel
- Self-correcting the hardness value for curved workpieces
- Force loading by electric motor (without weights)
- The test force is selected automatically according to hardness scale
- According to ISO 6508



SPECIFICATION

List Price (₹)	ON REQUEST	
Promotion Price (₹)	ON REQUEST	
Type	Rockwell	
Hardness scale	with standard indenters	HRA, HRB, HRC, HRD, HRF, HRG
	with optional indenters	HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Preliminary test force	98N/10kgf for Rockwell	
Test force	588N (60kg), 980N (100kg), 1471N (150kg)	
Stage elevation	manual	
Load control	automatic (load/dwell/unload)	
Load dwell time	0-60 second	
Resolution	0.1HR	
Output	USB	
Max. workpiece height	220mm	
Max. testing width	200mm (from the center of indenter to the wall of main body)	
Power supply	220V, 50/60Hz	
Dimension	510×260×780mm	
Weight	70kg	

STANDARD DELIVERY

Main unit	1 pc
Ø63mm flat anvil	1 pc
Ø150mm flat anvil	1 pc
V-type anvil	1 pc
Diamond indenter	1 pc
Ø1.5875mm carbide ball indenter	1 pc
Hardness test block HRB88-95	1 pc
Hardness test block HRC60-65	1 pc
Hardness test block HRC20-30	1 pc
USB flash disk (8G)	1 pc
Level	1 pc
Touch pen	1 pc
Anti-dust cover	1 pc

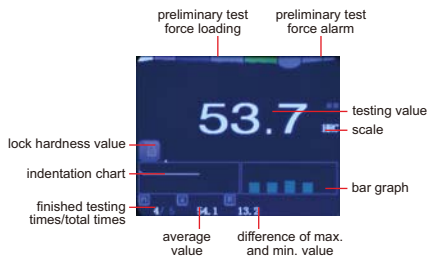
OPTIONAL ACCESSORY

Hardness test block HRB88-100	HDT-B-HRB
Hardness test block HRC60-70	HDT-B-HRC3
Hardness test block HRC20-30	HDT-B-HRC1
Hardness test block 78-88HR15N	HDT-B-HR15N2
Hardness test block 55-73HR30N	HDT-B-HR30N2
Hardness test block 73-82HR30T	HDT-B-HR30T
Small V-type anvil	ISH-SMALLANVIL
Desk	HDT-DESK

MOTORIZED DIGITAL ROCKWELL HARDNESS TESTER CODE ISH-MRD200

INSPECTION
CERTIFICATE

DATA
OUTPUT



software flash disk
(included)

- Tolerance testing
- Set testing times (2~10) to have average value and the difference of max. and min. value
- Convert to other Rockwell scales, HV or HB
- Memory of 500 testing values for browsing and output
- Testing value can be sent to wireless printer automatically
- Calibration function compensates the testing value for high accuracy
- The hardness value of soft materials like plastic is not stable, the lock function can obtain the value automatically
- Display unit is automatic power off
- According to ISO 6508
Keyboard signal, can be transmitted to Excel

SPECIFICATION

List Price (₹)	222565
Promotion Price (₹)	199679
Hardness scale	HRA, HRB, HRC, HRD, HRF, HRG (with standard indenters) HRE, HRH, HRK (with optional indenter)
Preliminary test force	98N
Test force	588N, 980N, 1471N
Stage elevation	manual
Load control	automatic (load/dwell/unload)
Load dwell time	1~99 second
Resolution	0.1HR
Output	wireless and USB
Memory	500
Max. workpiece height	170mm
Max. testing width	165mm (from the center of indenter to the wall of main body)
Power supply of the display unit	built-in rechargeable battery
Power supply	220V, 50/60Hz
Dimension	520×160×700mm
Weight	60kg



Ø60mm flat anvil (included)



Ø150mm flat anvil (included)



wireless printer (optional)



small V-type anvil (optional)
for cylinders with diameter
Ø2-4mm



V-type anvil (included)
for cylinders with
diameter Ø4-60mm



desk (optional)

STANDARD DELIVERY

Main unit	1 pc
Ø60mm flat anvil	1 pc
Ø150mm flat anvil	1 pc
V-type anvil	1 pc
Diamond indenter	1 pc
Ø1.5875mm carbide ball indenter	1 pc
Hardness test block HRB88~95	1 pc
Hardness test block HRC60~65	1 pc
Hardness test block HRC20~30	1 pc
Anti-dust cover	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

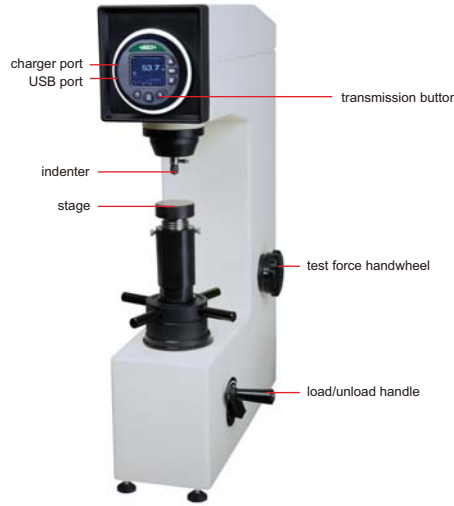
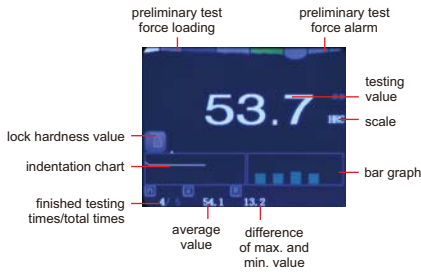
OPTIONAL ACCESSORY

Wireless printer	ISH-DS-PRINTER
Ø3.175mm carbide ball indenter	ISH-EHK-INDENTER
Hardness test block HRB88~100	HDT-B-HRB
Hardness test block HRC60~70	HDT-B-HRC3
Hardness test block HRC20~30	HDT-B-HRC1
Small V-type anvil	ISH-SMALLANVIL
Desk	HDT-DESK

MANUAL DIGITAL ROCKWELL HARDNESS TESTER CODE ISH-RD200

DATA
OUTPUT

INSPECTION
CERTIFICATE



- Tolerance testing
- Set testing times (2~10) to have average value and the difference of max. and min. value
- Convert to other Rockwell scales, HV or HB
- Memory of 500 testing values for browsing and output
- Testing value can be sent to wireless printer automatically
- Calibration function compensates the testing value for high accuracy
- The hardness value of soft materials like plastic is not stable, the lock function can obtain the value automatically
- Automatic power off
- According to ISO 6508
- Keyboard signal, can be transmitted to Excel



Ø60mm flat anvil
(included)



Ø150mm flat anvil
(included)



V-type anvil (included)
for cylinders with
diameter Ø4~60mm



small V-type anvil (optional)
for cylinders with diameter Ø2~4mm



wireless printer
(optional)



desk (optional)

SPECIFICATION

List Price (₹)	166584
Promotion Price (₹)	149926
Hardness scale	HRA, HRB, HRC, HRD HRF, HRG (with standard indenters) HRE, HRH, HRK (with optional indenter)
Preliminary test force	98N
Test force	588N, 980N, 1471N
Stage elevation	manual
Load control	manual
Resolution	0.1HR
Output	wireless and USB
Memory	500
Max. workpiece height	170mm
Max. testing width	165mm (from the center of indenter to the wall of main body)
Power supply	built-in rechargeable battery
Dimension	520×160×700mm
Weight	60kg

STANDARD DELIVERY

Main unit	1 pc
Ø60mm flat anvil	1 pc
Ø150mm flat anvil	1 pc
V-type anvil	1 pc
Diamond indenter	1 pc
Ø1.5875mm carbide ball indenter	1 pc
Hardness test block HRB88~95	1 pc
Hardness test block HRC60~65	1 pc
Hardness test block HRC20~30	1 pc
Anti-dust cover	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

OPTIONAL ACCESSORY

Wireless printer	ISH-DS-PRINTER
Ø3.175mm carbide ball indenter	ISH-EHK-INDENTER
Hardness test block HRB88~100	HDT-B-HRB
Hardness test block HRC60~70	HDT-B-HRC3
Hardness test block HRC20~30	HDT-B-HRC1
Small V-type anvil	ISH-SMALLANVIL
Desk	HDT-DESK

MOTORIZED ROCKWELL HARDNESS TESTER (BASIC TYPE) CODE HDT-RA151



■ According to ISO 6508



SPECIFICATION

List Price (₹)	124455
Promotion Price (₹)	106675
Hardness scale	HRA, HRB, HRC, HRD, HRF, HRG
Preliminary test force	98N
Test force	588N, 980N, 1471N
Display	analogue
Stage elevation	manual
Load control	automatic (load/dwell/unload)
Load dwell time	1~60 second
Min. reading	0.5HR
Max. workpiece height	170mm
Max. testing width	128mm (from the center of indenter to the wall of main body)
Power supply	220V, 50/60Hz
Dimension	520×225×640mm
Weight	65kg

OPTIONAL ACCESSORY

Hardness test block HRA80~84	HDT-B-HRA
Hardness test block HRB88~100	HDT-B-HRB
Hardness test block HRC20~30	HDT-B-HRC1
Hardness test block HRC35~55	HDT-B-HRC2
Hardness test block HRC60~70	HDT-B-HRC3
Small V-type anvil	ISH-SMALLANVIL
Desk	HDT-DESK



Ø58mm flat anvil (included)



Ø150mm flat anvil (included)



V-type anvil (included) for cylinders with diameter Ø4~60mm



level (included)



small V-type anvil (optional) for cylinders with diameter Ø2~4mm



desk (optional)



STANDARD DELIVERY

Main unit	1 pc
Ø58mm flat anvil	1 pc
Ø150mm flat anvil	1 pc
V-type anvil	1 pc
Diamond indenter	1 pc
Ø1.5875mm steel ball indenter	1 pc
Level	1 pc
Hardness test block HRA80~88	1 pc
Hardness test block HRB85~95	1 pc
Hardness test block HRC20~30	1 pc
Hardness test block HRC35~55	1 pc
Hardness test block HRC60~70	1 pc
Anti-dust cover	1 pc

MANUAL ROCKWELL HARDNESS TESTER (BASIC TYPE) CODE HDT-RW160



■ According to ISO 6508

POPULAR MODEL

STANDARD DELIVERY

Main unit	1 pc
Ø58mm flat anvil	1 pc
Ø150mm flat anvil	1 pc
V-type anvil	1 pc
Diamond indenter	1 pc
Ø1.5875mm steel ball indenter	1 pc
Ø1.5875mm steel ball	5 pcs
Level	1 pc
Hardness test block HRA80~88	1 pc
Hardness test block HRB85~95	1 pc
Hardness test block HRC20~30	1 pc
Hardness test block HRC35~55	1 pc
Hardness test block HRC60~70	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Hardness test block HRA80~84	HDT-B-HRA
Hardness test block HRB88~100	HDT-B-HRB
Hardness test block HRC20~30	HDT-B-HRC1
Hardness test block HRC35~55	HDT-B-HRC2
Hardness test block HRC60~70	HDT-B-HRC3
Small V-type anvil	ISH-SMALLANVIL
Desk	HDT-DESK



Ø58mm flat anvil (included)



Ø150mm flat anvil (included)



V-type anvil (included) for cylinders with diameter Ø4~60mm



level (included)



small V-type anvil (optional) for cylinders with diameter Ø2~4mm



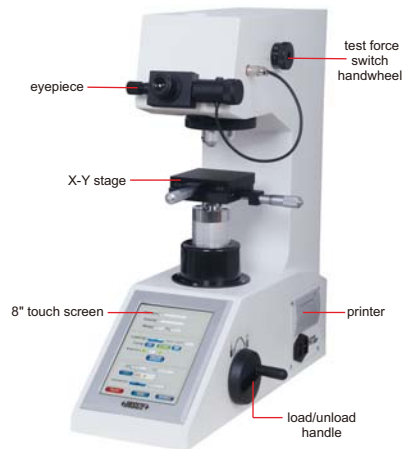
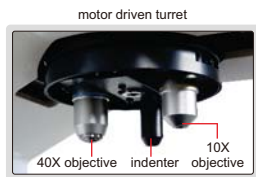
desk (optional)



SPECIFICATION

List Price (₹)	88684
Promotion Price (₹)	74370
Hardness scale	HRA, HRB, HRC, HRD, HRF, HRG
Preliminary test force	98N (10kg)
Test force	588N (60kg), 980N (100kg), 1471N (150kg)
Display	analogue
Stage elevation	manual
Load control	manual
Min. reading	0.5HR
Max. workpiece height	170mm
Max. workpiece depth	135mm (from the center of indenter to the wall of main body)
Dimension	466×238×630mm
Weight	70kg

DIGITAL MICRO-VICKERS HARDNESS TESTERS

vice
(included)slice holder
(included)cylinder holder
(included)

HDT-MV290

- Measure hardness of thin or small workpieces
- Converted to HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
- Motor driven turret to switch between indenter and objective lens automatically
- Calibrated according to standard hardness blocks or length scales
- Test result can be sent to Word or Excel
- According to ISO 6507

SPECIFICATION

Code	HDT-MV290	HDT-MV290S
	manual switch of test force	motorized switch of test force
List Price (₹)	ON REQUEST	ON REQUEST
Promotion Price (₹)	ON REQUEST	ON REQUEST
Test force	0.098N (10gf), 0.245N (25gf), 0.49N (50gf), 0.98N (100gf), 1.96N (200gf), 2.94N (300gf), 4.9N (500gf), 9.8N (1kgf)	
Vickers scales	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1	
Range	8HV~2900HV	
Length measurement resolution	0.01µm	
Objective/indenter switch	motor driven turret	
Stage lifting	manual	
Load control	automatic (load/dwell/unload)	
Load dwell time	1~99 second	
Objective	10X, 40X	
Eyepiece	10X	
Total magnification	100X (for measurement or observation), 400X (for measurement)	
Max. workpiece height	100mm	
Max. testing width	130mm (from the center of indenter to the wall of main body)	
X-Y stage	dimensions: 100×100mm, travel range: 25×25mm	
Data output	built-in printer, RS232	
Power supply	220V, 50/60Hz	
Dimension	540×260×650mm	
Weight	50kg	

STANDARD DELIVERY

Main unit	1 pc
10X, 40X objective	1 pc of each
Micro Vickers indenter	1 pc
Hardness test block 400~500HV0.2	1 pc
Hardness test block 700~750HV1	1 pc
Level	1 pc
Touch pen	1 pc
Slice holder	1 pc
Vice	1 pc
Cylinder holder	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Hardness test block 400~500HV0.2	HDT-B-HV02C
Hardness test block 700~750HV1	HDT-B-HV1F
Measuring system	HDT-VS530

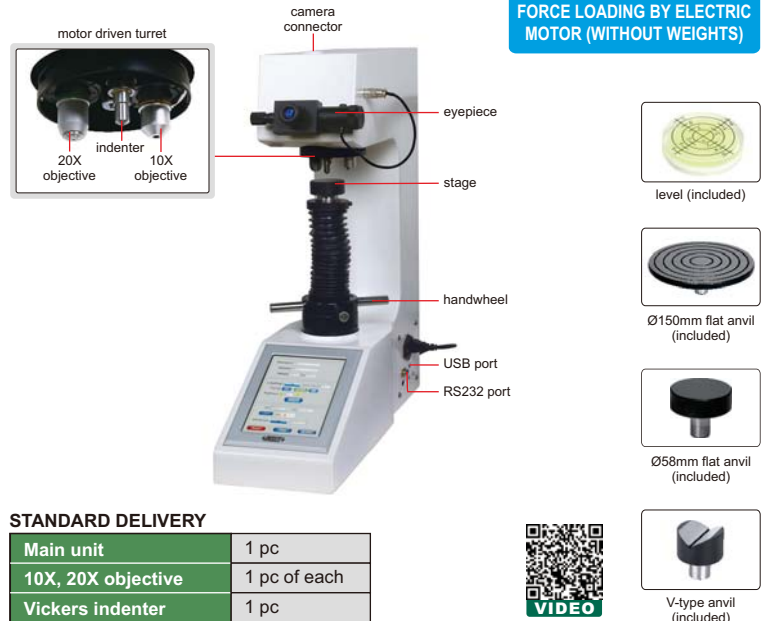
DIGITAL VICKERS HARDNESS TESTER CODE HDT-VD50A



- LCD touch screen, easy operation
- Insert USB flash disk, save the test results as Excel
- Converted to HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
- Force loading by electric motor, without weights
- According to ISO 6507

SPECIFICATION

List Price (₹)	ON REQUEST
Promotion Price (₹)	ON REQUEST
Test force	0.5, 1, 2, 2.5, 3, 5, 10, 15, 20, 30, 40, 50kgf
Range	8~2900HV
Load control	automatic (load/dwell/unload)
Load dwell time	1~99 second
Eyepiece	10X
Objective	10X, 20X (optional 2.5X, 5X, 40X)
Total magnification	100X, 200X (optional 25X, 50X, 400X)
Length measurement resolution	0.01µm
Data output	USB flash disk
Max. workpiece height	180mm
Max. testing width	160mm (from the center of indenter to the wall of main body)
Power supply	220V, 50/60Hz
Dimension	580x190x700mm
Weight	55kg



STANDARD DELIVERY

Main unit	1 pc
10X, 20X objective	1 pc of each
Vickers indenter	1 pc
Ø58mm flat anvil	1 pc
Ø150mm flat anvil	1 pc
V-type anvil	1 pc
Hardness test block	2 pcs
USB flash disk	1 pc
Level	1 pc
Touch pen	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Hardness test block	refer to details
2.5X objective	HDT-VD-OB2X
5X objective	HDT-VD-OB5X
40X objective	HDT-VD-OB40X
Vickers hardness measuring system	HDT-VS530

MOTORIZED BRINELL HARDNESS TESTER CODE ISHB-M100

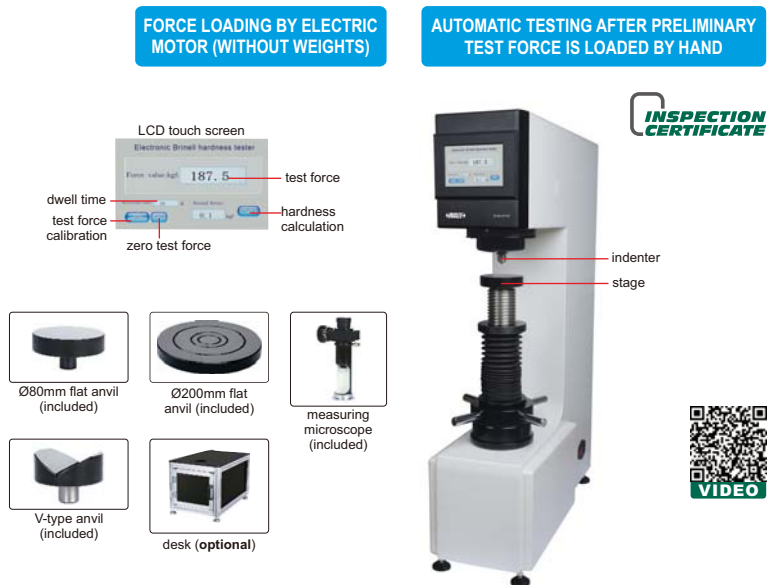
- LCD touch screen, easy operation
- Automatic testing after preliminary test force is loaded by hand
- Measure indentation diameter by measuring microscope, input the diameters, the hardness value is shown on screen automatically
- Force loading by electric motor, without weights
- According to ISO 6506

SPECIFICATION

List Price (₹)	ON REQUEST	
Promotion Price (₹)	ON REQUEST	
Range	8~650HBW	
Reading mode	directly read from LCD	
Test force	62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000kgf	
Max. workpiece height	230mm	
Max. testing width	160mm (from the center of indenter to the wall of main body)	
Stage elevation	manual	
Load control	automatic (load/dwell/unload)	
Load dwell time	5~60 second	
Measuring microscope	magnification	20X
	graduation	0.01mm
Power supply	220V, 50/60Hz	
Dimension	550×210×750mm	
Weight	90kg	

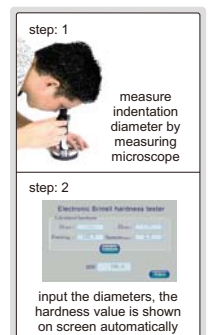
OPTIONAL ACCESSORY

Hardness test block 200~300HBW2.5/187.5	HDT-B-HB25A2
Hardness test block 90~200HBW10/1000	HDT-B-HB10C1
Hardness test block 200~300HBW10/3000	HDT-B-HB10A2
Brinell indentation measuring system	ISHB-MSA
Desk	HDT-DESK



STANDARD DELIVERY

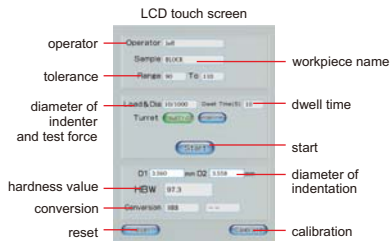
Main unit	1 pc
Ø80mm flat anvil	1 pc
Ø200mm flat anvil	1 pc
V-type anvil	1 pc
Ø2.5mm carbide ball indenter	1 pc
Ø5mm carbide ball indenter	1 pc
Ø10mm carbide ball indenter	1 pc
Hardness test block 150~250HBW2.5/187.5	1 pc
Hardness test block 75~125HBW10/1000	1 pc
Hardness test block 175~250HBW10/3000	1 pc
Measuring microscope	1 pc
Anti-dust cover	1 pc



MOTORIZED DIGITAL BRINELL HARDNESS TESTER CODE ISHB-D200

FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHT)

AUTOMATIC TESTING, AUTOMATIC TEST FORCE LOADING



step: 1

elevate the stage by hand to let the indenter approach the workpiece, press "start" to start testing automatically, the test force is loaded automatically

step: 2

measure indentation with measuring microscope

step: 3

read the hardness value from LCD

- Automatic testing, automatic test force loading
- LCD touch screen, easy operation
- Measure indentation by measuring microscope then read the hardness value from LCD
- Tolerance testing
- Insert USB flash disk, save the test results as Excel
- Converted to HRA, HRB, HRC, HRD, HRF, HV, HB, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
- Force loading by electric motor, without weights
- According to ISO 6506



SPECIFICATION

List Price (₹)	ON REQUEST	
Promotion Price (₹)	ON REQUEST	
Turret rotation	manual	
Range	8~650HBW	
Reading mode	directly read from LCD	
Test force	62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000kgf	
Max. workpiece height	200mm	
Max. testing width	155mm (from the center of indenter to the wall of main body)	
Stage elevation	manual	
Load control	automatic (load/dwell/unload)	
Load dwell time	5~60 second	
Measuring microscope	magnification	20X
	resolution	0.625µm
Power supply	220V, 50/60Hz	
Dimension	550x210x750mm	
Weight	110kg	

STANDARD DELIVERY

Main unit	1 pc
Ø80mm flat anvil	1 pc
Ø200mm flat anvil	1 pc
V-type anvil	1 pc
Ø2.5mm carbide ball indenter	1 pc
Ø5mm carbide ball indenter	1 pc
Ø10mm carbide ball indenter	1 pc
Hardness test block 150~250HBW2.5/187.5	1 pc
Hardness test block 75~125HBW10/1000	1 pc
Hardness test block 175~250HBW10/3000	1 pc
USB flash disk (8G)	1 pc
Touch pen	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Hardness test block 200~300HBW2.5/187.5	HDT-B-HB25A2
Hardness test block 90~200HBW10/1000	HDT-B-HB10C1
Hardness test block 200~300HBW10/3000	HDT-B-HB10A2
Brinell indentation measuring system	ISHB-MSA
Desk	HDT-DESK

DIGITAL BRINELL/ROCKWELL/VICKERS HARDNESS TESTER CODE HDT-BRV130

FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS)



- According to ISO 6506, ISO 6507, ISO 6508
- Force loading by electric motor (without weights)

SPECIFICATION

List Price (₹)	ON REQUEST
Promotion Price (₹)	ON REQUEST
Brinell test load	49N (5kgf), 98N (10kgf), 153N (15.625kgf), 294N (30kgf), 306N (31.25kgf), 613N (62.5kgf), 980N (100kgf), 1226N (125kgf), 1839N (187.5kgf)
Brinell scales	HBW1/5, HBW2.5/62.5, HBW1/10, HBW2.5/15.625, HBW1/30, HBW2.5/31.25, HBW2.5/62.5, HBW10/100, HBW5/125, HBW2.5/187.5
Brinell resolution	0.1HBW
Rockwell test load	98N (10kgf) preload 588 (60kgf), 980 (100kgf), 1471N (150kgf) total load
Rockwell scales	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Rockwell resolution	0.1HR
Vickers test load	49N (5kgf), 98N (10kgf), 196N (20kgf), 294N (30kgf), 392N (40kgf), 490N (50kgf), 588N (60kgf), 784N (80kgf), 980N (100kgf), 1176N (120kgf)
Vickers scales	HV5, HV10, HV20, HV30, HV40, HV50, HV60, HV80, HV100, HV120
Vickers resolution	0.1HV
Objective	2.5X/5X
Magnification of microscope	Brinell: 37.5X, Vickers: 75X
Hardness test range	Brinell: 8~650HBW, Rockwell: 20~100HR, Vickers: 8~2900HV
Max. workpiece height	Rockwell: 220mm, Brinell and Vickers: 150mm
Max. testing width	200mm (from the center of indenter to the wall of main body)
Data output	USB flash disk
Power supply	220V, 50/60Hz
Dimension	560×350×800mm
Weight	70kg



STANDARD DELIVERY

Main unit	1 pc
Vickers diamond indenter	1 pc
Rockwell diamond indenter	1 pc
Ø1.5875mm Rockwell indenter	1 pc
Ø2.5mm Brinell indenter	1 pc
Ø5mm Brinell indenter	1 pc
Ø60mm flat anvil for Rockwell	1 pc
Ø150mm flat anvil for Rockwell	1 pc
V-type anvil for Rockwell	1 pc
Ø60mm flat anvil for Vickers and Brinell	1 pc
Hardness test block HRB88~95	1 pc
Hardness test block HRC60~65	1 pc
Hardness test block HRC20~30	1 pc
Hardness test block 400~500HV30	1 pc
Hardness test block 180~300HBW2.5/187.5	1 pc
Level	1 pc
USB flash disk	1 pc
Touch pen	1 pc
Anti-dust cover	1 pc



Ø60mm flat anvil for Rockwell (included)



Ø60mm flat anvil for Vickers and Brinell (included)



V-type anvil for Rockwell (included), for cylinders with diameter Ø4~60mm



small V-type anvil for Rockwell (optional), for cylinders with diameter Ø2~4mm



Ø150mm flat anvil for Rockwell (included)

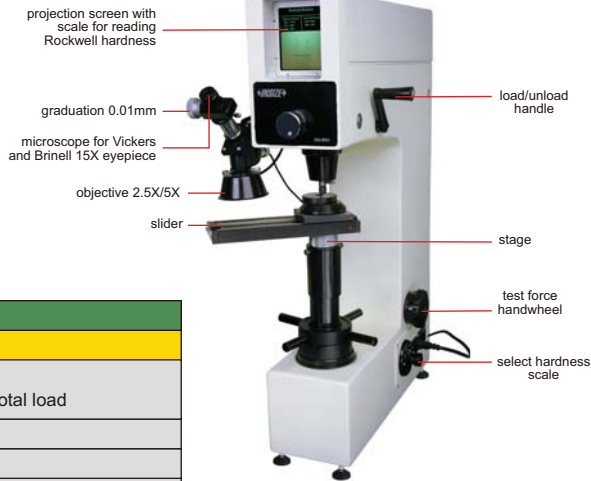


desk (optional)

OPTIONAL ACCESSORY

Hardness test block HRB88~100	HDT-B-HRB
Hardness test block HRC60~70	HDT-B-HRC3
Hardness test block HRC20~30	HDT-B-HRC1
Hardness test block 400-500HV30	HDT-B-HV30D
Hardness test block 200-300HBW2.5/187.5	HDT-B-HB25A2
Small V-type anvil for Rockwell	ISH-SMALLANVIL
Desk	HDT-DESK

BRINELL/ROCKWELL/VICKERS HARDNESS TESTER CODE ISH-BRV



- According to ISO 6506, ISO 6507, ISO 6508

SPECIFICATION

List Price (₹)	446731
Promotion Price (₹)	442264
Rockwell test load	98N preload, 588, 980, 1471N total load
Min. Rockwell reading	0.5HR
Brinell test load	306, 613, 1839N
Vickers test load	294N
Stage elevation	manual
Load control	manual
Magnification of microscope	37.5X/75X
Max. workpiece height	180mm
Max. testing width	200mm (from the center of indenter to the wall of main body)
Power supply	220V, 50/60Hz
Dimension	546×300×767mm
Weight	90kg

OPTIONAL ACCESSORY

Hardness test block HRB88~100	HDT-B-HRB
Hardness test block HRC60~70	HDT-B-HRC3
Hardness test block HRC20~30	HDT-B-HRC1
Hardness test block 400-500HV30	HDT-B-HV30D
Hardness test block 200-300HBW2.5/187.5	HDT-B-HB25A2
Small V-type anvil for Rockwell	ISH-SMALLANVIL
Desk	HDT-DESK

STANDARD DELIVERY

Main unit	1 pc
Ø1.5875mm carbide ball indenter	1 pc
Diamond Rockwell indenter	1 pc
Ø5mm Brinell indenter	1 pc
Ø2.5mm Brinell indenter	1 pc
Vickers indenter	1 pc
Ø60mm flat anvil for Rockwell	1 pc
Ø150mm flat anvil for Rockwell	1 pc
V-type anvil for Rockwell	1 pc
Ø60mm flat anvil for Vickers and Brinell	1 pc
V-type anvil for Vickers and Brinell	1 pc
Hardness test block HRB88~95	1 pc
Hardness test block HRC60~65	1 pc
Hardness test block HRC20~30	1 pc
Hardness test block 400~500HV30	1 pc
Hardness test block 180~300HBW2.5/187.5	1 pc
Anti-dust cover	1 pc

PORTABLE LEEB HARDNESS TESTERS



HDT-CB320
(wired probe is included)

HDT-WL320
(wireless probe is included)

- Can use wired probes or wireless probes
- Dual-coil probe for high accuracy
- Universal testing angle, no need to set impact direction
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRA and HRB), Shore (HS) and tensile strength (σb)
- Dual value display, shows both Leeb and converted hardness
- Large 2.4" LCD display with backlight
- With a magnet on the back, the main unit can be attached on steel surfaces
- According to ASTM A956 and DIN 50156

connect to PC, upload the data to PC, print and send to Excel (software is included)



connect to bluetooth printer (optional)



To be continued

Continued from previous page

SPECIFICATION

Code	HDT-CB320	HDT-WL320												
List Price (₹)	57762	59340												
Promotion Price (₹)	51986	53406												
Probe included	wired probe D	wireless probe D												
Optional probes	wired (DC/C/D/D+15/DL/E/G), wireless (DC/C/D/DL/G)													
Resolution	1HLD/1HV/1HB/0.1HRC/0.1HRB/0.1HRA/0.1HS/1MPa													
Accuracy	±6HLD (when HLD=800)													
Output	USB													
Measuring range	HL 170-960/HRC 1.3-74.7/HRB 1.2-139.7/HB 28-1027/HV 45-1221 HS 4.0-112.1/HRA 1.3-88.5/MPa 118-3315N/mm ²													
Applicable materials	<table border="0"> <tr> <td>1. steel/cast steel</td> <td>2. alloy steel</td> <td>3. stainless steel</td> <td>4. gray pig iron</td> </tr> <tr> <td>5. nodular cast iron</td> <td>6. cast aluminum</td> <td>7. brass</td> <td>8. bronze</td> </tr> <tr> <td>9. copper</td> <td>10. forging steel</td> <td>11. rolling steel</td> <td></td> </tr> </table>		1. steel/cast steel	2. alloy steel	3. stainless steel	4. gray pig iron	5. nodular cast iron	6. cast aluminum	7. brass	8. bronze	9. copper	10. forging steel	11. rolling steel	
1. steel/cast steel	2. alloy steel	3. stainless steel	4. gray pig iron											
5. nodular cast iron	6. cast aluminum	7. brass	8. bronze											
9. copper	10. forging steel	11. rolling steel												
Statistics	average/max./min./s.value													
Memory	999 data													
Working environment	-10°C~45°C													
Power supply	2xAA battery													
Dimension	145×68×28mm													
Weight	158g													



small support ring (included)



hardness test block D (included)

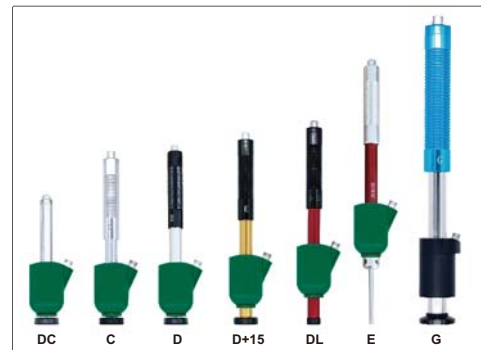
STANDARD DELIVERY

Code	HDT-CB320	HDT-WL320
Main unit	1 pc	1 pc
Wired probe D	1 pc	—
Wireless probe D	—	1 pc
Hardness test block D	1 pc	1 pc
Small support ring	1 pc	1 pc
Cleaning brush	1 pc	1 pc

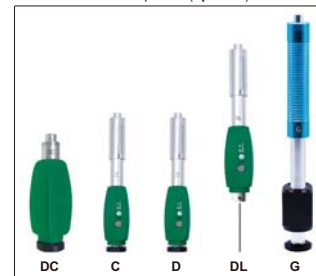
OPTIONAL ACCESSORY

Wired probe	DC	HDT-CB320-DC
	C	HDT-CB320-C
	D	HDT-CB320-D
	D+15	HDT-CB320-D15
	DL	HDT-CB320-DL
	E	HDT-CB320-E
	G	HDT-CB320-G
Wireless probe	DC	HDT-WL320-DCW
	C	HDT-WL320-CW
	D	HDT-WL320-DW
	DL	HDT-WL320-DLW
	G	HDT-WL320-GW
Hardness test block D **		HDT-B-HLD3
Hardness test block G *		HDT-B-HLG2
Printer		ISH-LP200-PRINTER
Support rings		see details

wired probes (optional)



wireless probes (optional)



* Hardness test block G (HDT-B-HLG2) is for probe G (HDT-LP320-G or HDT-LP320-GW)

**Hardness test block D (HDT-B-HLD3) is for all other probes

APPLICABLE WORKPIECE

Probes	DC	C	D	D+15	DL	E	G
Application	inner wall of small space	small or thin workpiece, coating layer	general use	deep groove	narrow slot or small hole	very hard material	casting or forging workpiece
Maximum roughness of workpiece (Ra)	2µm	0.4µm	2µm	2µm	2µm	2µm	7µm
Minimum weight of workpiece	direct measurement	5kg	1.5kg	5kg	5kg	5kg	15kg
	on solid support	2.5kg	0.5kg	2kg	2kg	2kg	5kg
	coupled on plate	0.05-2kg	0.02kg	0.05-2kg	0.1kg	0.1kg	0.1-2kg
Minimum thickness of workpiece	3mm	1mm	3mm	3mm	3mm	3mm	10mm

PORTABLE LEEB HARDNESS TESTER (BASIC TYPE) CODE HDT-LP200

POPULAR
MODEL

INSPECTION
CERTIFICATE



- Can change probes
- Dual-coil probe for high accuracy
- Universal testing angle, no need to set impact direction
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRB), Shore (HSD) and tensile strength (σ_b)
- Dual value display, shows both Leeb and converted hardness
- Large LCD display with backlight
- Can choose large font display and statistics display
- Automatically calculate maximum, minimum and average value
- Save 300 data
- Operation temperature: -10°C ~ 45°C
- According to ASTM A956, GB/T 17394



SPECIFICATION

List Price (₹)	32020
Promotion Price (₹)	26520
Resolution	1HLD/1HV/1HB/0.1HRC/0.1HRB/0.1HSD/1 σ_b
Accuracy	$\pm 6\text{HLD}$ (when HLD=800)
Measuring range	HL 170-960/HRC 17-70/HRB 13-109/HB 20-655/HV 80-940 /HSD 32-99.5/ σ_b (rm) 255-2639N/mm ²
Power supply	2xAA battery
Dimension	135×77×32mm
Weight	240g



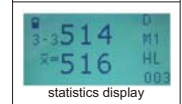
hardness test block D (included)



large font display



small support ring (included)



statistics display

STANDARD DELIVERY

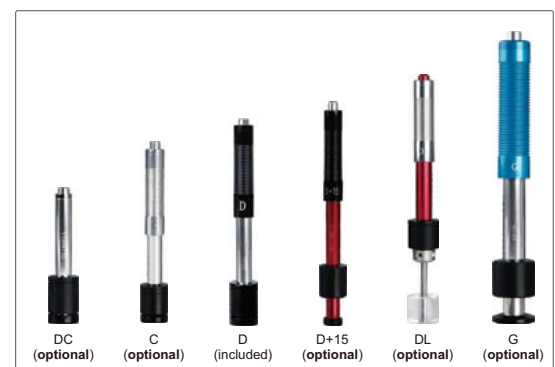
Main unit	1 pc
Hardness test block D	1 pc
Small support ring	1 pc
Cleaning brush	1 pc
Impact device D	1 pc

OPTIONAL ACCESSORY

Impact device DC	HDT-LP200-DC
Impact device C	HDT-LP200-C
Impact device D+15	HDT-LP200-D15
Impact device DL	HDT-LP200-DL
Impact device G	HDT-LP200-G
Hardness test block D **	HDT-B-HLD3
Hardness test block G *	HDT-B-HLG2
Support rings	see details

* Hardness test block G (HDT-B-HLG2) is for impact device G (HDT-LP200-G)

** Hardness test block D (HDT-B-HLD3) is for all other impact devices



APPLICABLE WORKPIECE

Impact device	DC	C	D	D+15	DL	G
Application	inner wall of small space	small or thin workpiece, coating layer	general use	deep groove	narrow slot or small hole	casting or forging workpiece
Maximum roughness of workpiece (Ra)	2 μm	0.4 μm	2 μm	2 μm	2 μm	7 μm
Minimum weight of workpiece	direct measurement	5kg	1.5kg	5kg	5kg	15kg
	on solid support	2kg	0.5kg	2kg	2kg	5kg
	coupled on plate	0.05kg	0.02kg	0.05kg	0.1kg	0.05kg
Minimum thickness of workpiece	3mm	1mm	3mm	3mm	3mm	10mm

PORTABLE LEEB HARDNESS TESTER (WITH PROBE) CODE HDT-WP201



- Bluetooth digital probe
- Universal testing angle, no need to set impact direction
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRB), Shore (HSD) and tensile strength (σb)
- Dual value display, shows both Leeb and converted hardness
- Large LCD display with backlight
- Can choose large font display and statistics display
- Automatically calculate maximum, minimum and average value
- Save 300 data
- Operation temperature: -10°C~45°C
- According to ASTM A956, DIN 50156 GB/T 17394



SPECIFICATION

List Price (₹)	47611
Promotion Price (₹)	42850
Resolution	1HLD/1HV/1HB/0.1HRC/0.1HRB/ 0.1HSD/1σb
Accuracy	±6HLD (when HLD=800)
Measuring range	HL 170-960/HRC 17-69/HRB 13-101.7/ HB 20-655/HV 80-940/HSD 32-99.5/ σb (rm) 255-2180N/mm ²
Power supply	2xAA battery
Dimension	135×77×32mm
Weight	240g



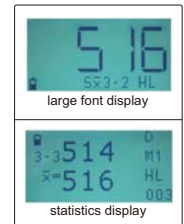
hardness test block D (included)



small support ring (included)



bluetooth printer (optional)

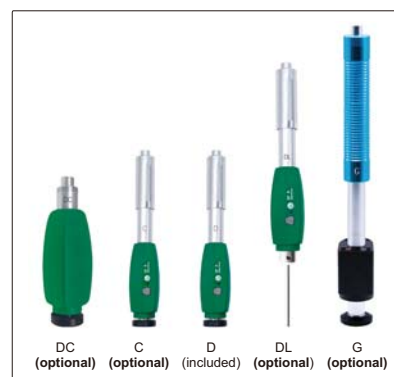


STANDARD DELIVERY

Main unit	1 pc
Hardness test block D	1 pc
Small support ring	1 pc
Cleaning brush	1 pc
Impact device D	1 pc

OPTIONAL ACCESSORY

Impact device DC	HDT-WL320-DCW
Impact device C	HDT-WL320-CW
Impact device DL	HDT-WL320-DLW
Impact device G	HDT-WL320-GW
Hardness test block D	HDT-B-HLD3
Bluetooth printer	HDT-LP201-PRINTER
Support rings	see details



DC (optional) C (optional) D (included) DL (optional) G (optional)

APPLICABLE WORKPIECE

Impact device	DC	C	D	DL	G
Application	inner wall of small space	small or thin workpiece, coating layer	general use	narrow slot or small hole	casting or forging workpiece
Maximum roughness of workpiece (Ra)	2μm	0.4μm	2μm	2μm	7μm
Minimum weight of workpiece	direct measurement	5kg	1.5kg	5kg	15kg
	on solid support	2kg	0.5kg	2kg	5kg
	coupled on plate	0.05kg	0.02kg	0.05kg	0.5kg
Minimum thickness of workpiece	3mm	1mm	3mm	3mm	10mm

PORTABLE LEEB HARDNESS TESTER (HIGH ACCURACY) CODE HDT-L410

DATA OUTPUT HIGH ACCURACY DL PROBE IS OPTIONAL



- Metal housing
- HD TFT 320×320 display
- Impact device D
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRA and HRB), Shore (HS) and tensile strength (SGM)
- Four display modes
- Automatic direction correction
- Tolerance testing
- Automatic power off, automatic calculation of statistics
- Dual value display, shows both Leeb and other conversion values
- 31 files can be saved, each containing 100 measurement data
- Connected to PC software via USB or Bluetooth 2.0
- Connected with printer via Bluetooth
- Operation temperature: -20°C~70°C
- According to ASTM A956, DIN 50156, GB/T 17394



DL probe can be installed (optional)



software flash disk (included)



small support ring (included)

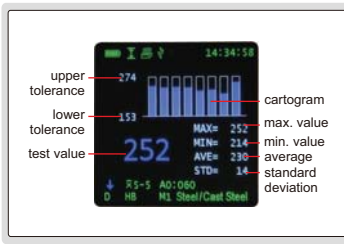


hardness test block D (included)

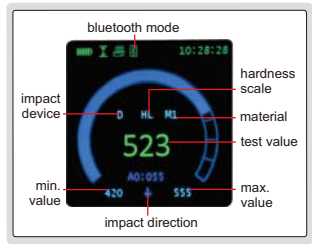


wireless printer (optional)

histogram display



dynamic ring display

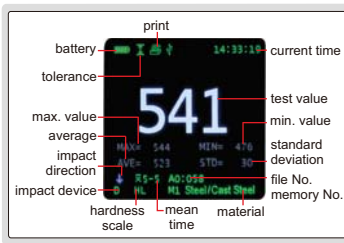


software (included), upload the memory to PC, print and send to EXCEL

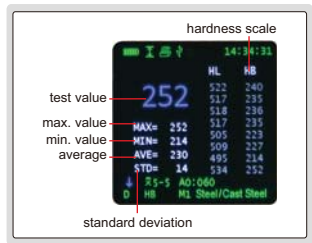
upload the memory to PC software via USB cable or Bluetooth

send the stored data to EXCEL

can choose large font display



statistic display



SPECIFICATION

List Price (₹)	139141	
Promotion Price (₹)	122445	
Resolution	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 0.1HRA, 0.1HS, 1SGM	
Accuracy	±4HLD (when HLD=800)	
Output	USB and bluetooth	
Applicable workpiece	minimum weight	5kg (direct measurement)
		2kg (on solid support)
		0.05kg (coupled on plate)
	minimum thickness: 5mm	
minimum radius of curved surface: 30mm		
maximum roughness (Ra): 2µm		
Power supply	built-in 3.7V rechargeable battery	
Dimension	148×44×22mm	
Weight	115g	

STANDARD DELIVERY

Main unit	1 pc
Hardness test block D	1 pc
Small support ring	1 pc
Cleaning brush	1 pc
AC/DC adapter	1 pc
Software flash disk and USB cable	1 pc

OPTIONAL ACCESSORY

Printer	HDT-L410-PRINTER
Support rings	ISH-PH-SP9
Hardness test block D	HDT-B-HLD3
DL probe	HDT-L410-DL

PORTABLE LEEB HARDNESS TESTER (BASIC TYPE) CODE HDT-L411

**INSPECTION
CERTIFICATE** DATA
OUTPUT



hardness test block D (included)



small support ring (included)

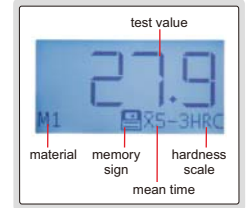


software flash disk (included)

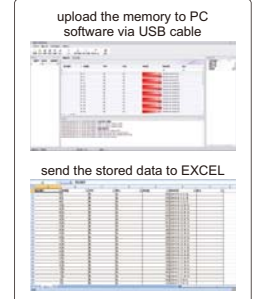
- Impact device D
- Universal testing angle, no need to set impact direction
- Dual-coil probe, high accuracy
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRA and HRB), Shore (HS) and tensile strength (SGM)
- Dual value display, shows both Leeb and converted hardness
- High contrast digital LCD display
- Can choose large font display
- Automatically calculate maximum, minimum, average value
- Connected to PC via USB
- Save 999 data
- Operation temperature: -20°C~45°C
- According to ASTM A956, DIN 50156, GB/T 17394



can choose large font display



software (included), upload the memory to PC, print and send to EXCEL



SPECIFICATION

List Price (₹)	30511	
Promotion Price (₹)	26850	
Resolution	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 0.1HRA, 0.1HS, 1SGM	
Accuracy	±6HLD (when HLD=800)	
Output	USB	
Measuring range	HL100-960, HRC1-74.7, HRB1.2-140, HB28-1027, HV45-1230, HS4-112, HRA7-88.5, SGM (rm) 118-3315N/mm ²	
Applicable workpiece	minimum weight	5kg (direct measurement)
		2kg (on solid support)
		0.05kg (coupled on plate)
	minimum thickness: 5mm	
	minimum radius of curved surface: 30mm	
	maximum roughness (Ra): 2µm	
Power supply	1xAAA battery	
Dimension	148×45×21mm	
Weight	105g	



VIDEO

STANDARD DELIVERY

Main unit	1 pc
Hardness test block D	1 pc
Cleaning brush	1 pc
AAA battery	1 pc
Small support ring	1 pc
Software flash disk and USB cable	1 pc

OPTIONAL ACCESSORY

Support rings	see details
Hardness test block D	HDT-B-HLD3

PORTABLE ROCKWELL HARDNESS TESTER CODE ISHR-P151

- According to ISO 6508, ASTM E18



anvil extension for thin workpieces (included)



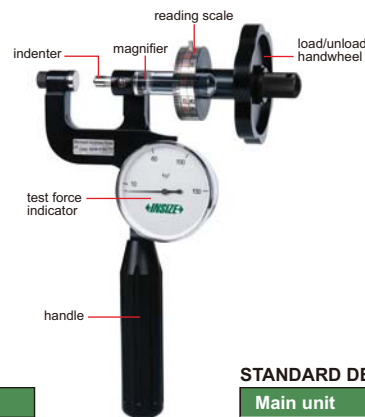
flat anvil (included)



V-type anvil (included)



VIDEO



base (included)

SPECIFICATION

List Price (₹)	107363
Promotion Price (₹)	96627
Hardness scale	HRA, HRB, HRC, HRD, HRF, HRG
Preliminary test force	10kg
Test force	60kg, 100kg, 150kg
Load control	manual
Min. reading	1HR
Max. workpiece thickness	25mm
Max. testing width	25mm (from the center of indenter to the main body)
Dimension	240×70×160mm
Weight (with base)	2.5kg

STANDARD DELIVERY

Main unit	1 pc
Diamond indenter	1 pc
Ø1.5875mm carbide ball indenter	2 pcs
Hardness test block HRB88-95	1 pc
Hardness test block HRC60-65	1 pc
Hardness test block HRC20-30	1 pc
Flat anvil	1 pc
V-type anvil	1 pc
Base	1 pc
Anvil extension	1 pc
Magnifier	2 pcs

HYDRAULIC BRINELL HARDNESS TESTER CODE ISHB-H131



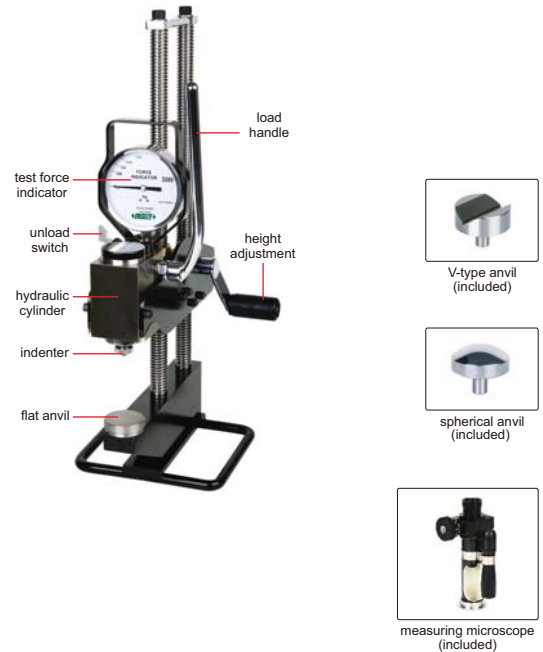
- According to ISO 6506, ASTM E10

SPECIFICATION

List Price (₹)	546488
Promotion Price (₹)	491839
Measuring range	16~650HBW
Test force	3000kg
Indenter	Ø10mm carbide ball
Measuring microscope	20X, graduation 0.01mm
Max. workpiece height	350mm
Max. testing width	90mm (from the center of indenter to the column)
Dimension	270×225×570mm
Weight	13.8kg

STANDARD DELIVERY

Main unit	1 pc
Flat anvil	1 pc
V-type anvil	1 pc
Spherical anvil	1 pc
Ø10mm carbide ball	2 pcs
Brinell test block	2 pcs
Measuring microscope	1 pc



BARCOL HARDNESS TESTER CODE ISHB-B300



STANDARD DELIVERY

Main unit	1 pc
Spare indenter	2 pcs
Hardness test block	2 pcs
Wrench	1 pc

- To measure the hardness of workpieces made of pure aluminum, aluminum alloy, fiber reinforced plastic, hard plastic, etc.
- According to ASTM B648-00, ASTM D2853-07

SPECIFICATION

List Price (₹)	102170
Promotion Price (₹)	91953
Hardness range	0~100HBa (equal to 25~150HBW)
Min. reading	1HBa
Accuracy	±2HBa (at 42~52HBa) ±1HBa (at 84~88HBa)
Min. workpiece thickness	0.8mm
Dimension	142×65×90mm
Weight	500g

ALUMINUM HARDNESS TESTER



- To measure the hardness of soft metal such as aluminum alloy, copper, brass, soft steel, etc.
- According to ASTM B647-84 (2000)

SPECIFICATION

Code	ISHW-L20
List Price (₹)	125745
Promotion Price (₹)	113171
Application	for aluminum alloy general use
Thickness requirement of flat workpiece	0.6~6mm
Internal diameter requirement of tube workpiece	>Ø10mm
Wall thickness requirement of tube workpiece	0.6~6mm
Hardness range	0~20HW
Min. reading	1HW
Accuracy	±0.5HW (at 5~17HW)
Dimension	205×30×85mm
Weight	500g



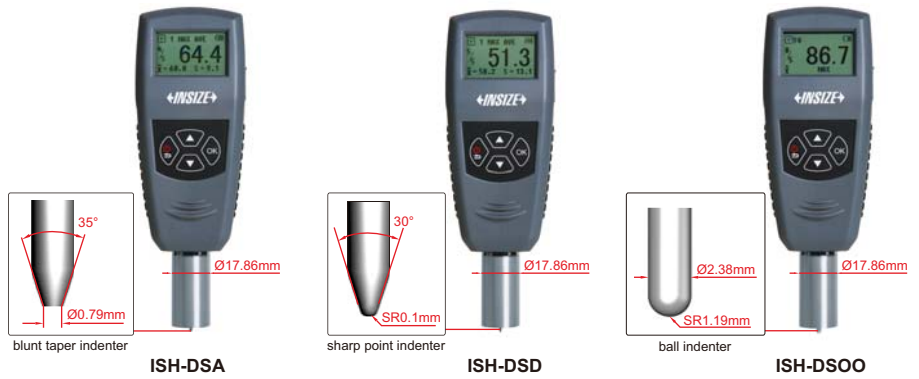
ISHW-L20

STANDARD DELIVERY

Main unit	1 pc
Spare indenter	1 pc
Hardness test block	1 pc
Wrench	1 pc

DIGITAL SHORE DUROMETERS

- According to ISO868, ISO7619, ASTM D 2240
- Average and peak (max.) mode
- Dwell time is adjustable
- Tolerance testing
- 500 memories
- Wireless connection to printer
- Handhold use or work with test stand (code **ISH-DS-STANDA**)
- Automatic power off



SPECIFICATION

Code	ISH-DSA	ISH-DSD	ISH-DSOO
List Price (₹)	29429	33614	46772
Promotion Price (₹)	28546	32606	39756
Unit	Shore A	Shore D	Shore OO
Test material	soft plastic, soft rubber, etc.	hard plastic, hard rubber, etc.	very soft plastic, rubber, sponge, textile, etc.
Measuring range	0~100HA*	0~100HD*	0~100HOO
Resolution	0.1HA	0.1HD	0.1HOO
Accuracy	±1HA	±1HD	±1HOO
Indenter protrusion	2.5mm		
Output	wireless and USB		
Power supply	built-in rechargeable battery		
Dimension	153×50×29mm		
Weight	170g		

- * Use **ISH-DSD** when measuring result is higher than 90HA
Use **ISH-DSA** when measuring result is lower than 20HD



VIDEO



software flash disk (included)



printer (optional)



calibration block (included)

STANDARD DELIVERY

Main unit	1 pc
Calibration block	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

OPTIONAL ACCESSORY

Printer	ISH-DS-PRINTER
Test stand	ISH-DS-STANDA

TEST STAND FOR DIGITAL SHORE DUROMETERS CODE ISH-DS-STANDA

- For digital shore durometers (code **ISH-DSA**, **ISH-DSD** and **ISH-DSOO**)
- Perform repeatable hardness measurement due to fewer possibilities of human error or measurement variations
- Special structure for stable loading
- Weight block A (included) is for **ISH-DSA**, weight block D (optional) is for **ISH-DSD**, remove weight block for **ISH-DSOO**

SPECIFICATION

List Price (₹)	66056
Promotion Price (₹)	62753
Stage diameter	Ø115mm
Max. workpiece height	45mm
Max. testing width	63mm (from test point to the column)
Dimension	Ø195×370mm
Weight	5.61kg



weight block D (optional) for ISH-DSD

STANDARD DELIVERY

Test stand	1 pc
Weight block A (for ISH-DSA)	1 pc

OPTIONAL ACCESSORY

Weight block D (for ISH-DSD)	ISH-DS-W4
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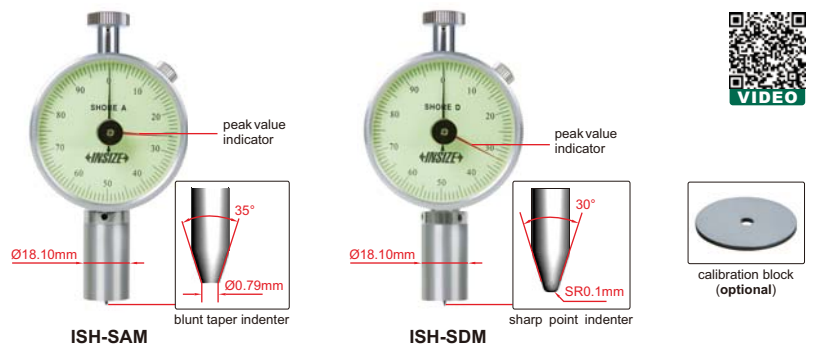


SHORE DUROMETERS

SPECIFICATION

Code	ISH-SAM	ISH-SDM
List Price (₹)	9461	16439
Promotion Price (₹)	7351	12408
Scale	Shore A	Shore D
Application	natural rubber, soft elastomer, etc.	hard rubber, plastic, hard elastomer, etc.
Measuring range*	10~90HA	20~90HD
Graduation	1HA	1HD
Indenter protrusion	2.5mm	
Dimension	115x60x25mm	
Weight	160g	

- * Use **ISH-SDM** when measuring result is higher than 90HA
Use **ISH-SAM** when measuring result is lower than 20HD



- According to ISO868, ISO7619, ASTM D 2240
- With peak value indicator
- Optional accessory: test stand **ISH-STAC** and **ISH-STD**

OPTIONAL ACCESSORY

Calibration block	ISH-DS-BLOCK
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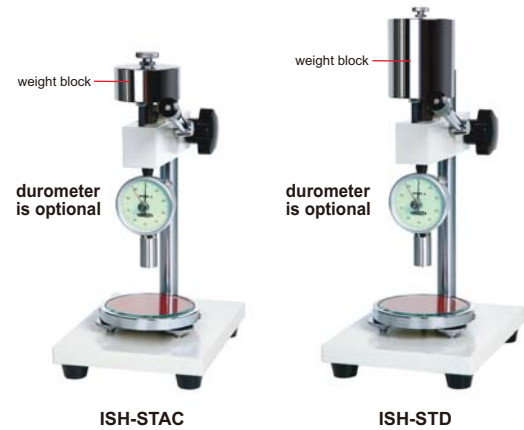
TEST STANDS FOR SHORE DUROMETERS

- For shore durometers (code **ISH-SAM** and **ISH-SDM**)
- Perform repeatable hardness measurement due to fewer possibilities of human error or measurement variations



SPECIFICATION

Code	ISH-STAC	ISH-STD
List Price (₹)	16219	19809
Promotion Price (₹)	13786	16838
Applicable durometer	ISH-SAM	ISH-SDM
Stage diameter	Ø100mm	Ø100mm
Max. workpiece height	75mm	75mm
Max. testing width	65mm (from test point to the column)	65mm (from test point to the column)
Weight block	1kg	5kg



ISH-STAC

ISH-STD

HARDNESS TEST BLOCKS



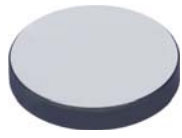
- Supplied with manufacturer inspection certificate



Brinell



Rockwell



Vickers



Micro-Vickers



Leeb



Shore

Rockwell hardness test blocks

Code	Type	Hardness	List Price (₹)	Promotion Price (₹)
HDT-B-HRA	HRA	80-84	988	889
HDT-B-HRB	HRB	88-100	988	889
HDT-B-HRC1	HRC	20-30	988	889
HDT-B-HRC2	HRC	35-55	988	889
HDT-B-HRC3	HRC	60-70	988	889
HDT-B-HRD1	HRD	40-47	9537	8583
HDT-B-HRD2	HRD	55-63	9537	8583
HDT-B-HRD3	HRD	70-75	9537	8583
HDT-B-HRE	HRE	107-114	9537	8583
HDT-B-HRF	HRF	105-114	9537	8583
HDT-B-HRG1	HRG	57-82	9537	8583
HDT-B-HRG2	HRG	80-94	9537	8583

Vickers hardness test blocks

Code	Type	Hardness	List Price (₹)	Promotion Price (₹)
HDT-B-HV5A	HV5	175-200	3965	3569
HDT-B-HV5B	HV5	200-300	3965	3569
HDT-B-HV5C	HV5	300-400	3965	3569
HDT-B-HV5D	HV5	400-500	3965	3569
HDT-B-HV5E	HV5	500-600	3965	3569
HDT-B-HV5F	HV5	600-700	3965	3569
HDT-B-HV5G	HV5	700-750	3965	3846
HDT-B-HV10A	HV10	175-200	2494	2245
HDT-B-HV10B	HV10	200-300	2494	2245
HDT-B-HV10C	HV10	300-400	3965	3569
HDT-B-HV10D	HV10	400-500	3965	3569
HDT-B-HV10E	HV10	500-600	3965	3569
HDT-B-HV10F	HV10	600-700	3965	3569
HDT-B-HV10G	HV10	700-750	3965	3569
HDT-B-HV30A	HV30	175-200	3965	3569
HDT-B-HV30B	HV30	200-300	3965	3569
HDT-B-HV30C	HV30	300-400	3965	3569
HDT-B-HV30D	HV30	400-500	3965	3569
HDT-B-HV30E	HV30	500-600	3965	3569
HDT-B-HV30F	HV30	600-700	3965	3569
HDT-B-HV30G	HV30	700-750	3965	3569
HDT-B-HV50A	HV50	175-200	3965	3569
HDT-B-HV50B	HV50	200-300	3965	3569
HDT-B-HV50C	HV50	300-400	3965	3569
HDT-B-HV50D	HV50	400-500	3965	3569
HDT-B-HV50E	HV50	500-600	3965	3569
HDT-B-HV50F	HV50	600-700	3965	3569
HDT-B-HV50G	HV50	700-750	3965	3569
HDT-B-HV100A	HV100	175-200	3965	3569
HDT-B-HV100B	HV100	200-300	3965	3569
HDT-B-HV100C	HV100	300-400	3965	3569
HDT-B-HV100D	HV100	400-500	3965	3569
HDT-B-HV100E	HV100	500-600	3965	3569
HDT-B-HV100F	HV100	600-700	3965	3569
HDT-B-HV100G	HV100	700-750	3965	3569

To be continued

Continued from previous page

Rockwell superficial hardness test blocks

Code	Type	Hardness	List Price (₹)	Promotion Price (₹)
HDT-B-HR15N1	HR15N	70-77	2106	1895
HDT-B-HR15N2	HR15N	78-88	2106	1895
HDT-B-HR15N3	HR15N	89-91	2106	1895
HDT-B-HR30N1	HR30N	42-54	2106	1895
HDT-B-HR30N2	HR30N	55-73	2106	1895
HDT-B-HR30N3	HR30N	74-80	2106	1895
HDT-B-HR45N1	HR45N	20-31	2106	1895
HDT-B-HR45N2	HR45N	32-61	2106	1895
HDT-B-HR45N3	HR45N	63-70	2106	1895
HDT-B-HR15T	HR15T	88-93	2106	1895
HDT-B-HR30T	HR30T	73-82	2106	1895
HDT-B-HR45T	HR45T	58-72	2106	1895

Micro-Vickers hardness test blocks

Code	Type	Hardness	List Price (₹)	Promotion Price (₹)
HDT-B-HV005A	HV0.05	200-300	6205	5585
HDT-B-HV005B	HV0.05	300-400	6904	6214
HDT-B-HV005C	HV0.05	400-500	6904	6214
HDT-B-HV005D	HV0.05	500-600	6904	6214
HDT-B-HV005E	HV0.05	600-700	6904	6214
HDT-B-HV005F	HV0.05	700-750	6205	5585
HDT-B-HV01A	HV0.1	200-300	6205	5585
HDT-B-HV01B	HV0.1	300-400	6904	6214
HDT-B-HV01C	HV0.1	400-500	6904	6214
HDT-B-HV01D	HV0.1	500-600	6904	6214
HDT-B-HV01E	HV0.1	600-700	6904	6214
HDT-B-HV01F	HV0.1	700-750	6205	5585
HDT-B-HV02A	HV0.2	200-300	6205	5585
HDT-B-HV02B	HV0.2	300-400	6904	6214
HDT-B-HV02C	HV0.2	400-500	6904	6214
HDT-B-HV02D	HV0.2	500-600	6904	6214
HDT-B-HV02E	HV0.2	600-700	6904	6214
HDT-B-HV02F	HV0.2	700-750	6205	5585
HDT-B-HV03A	HV0.3	200-300	6205	5585
HDT-B-HV03B	HV0.3	300-400	6904	6214
HDT-B-HV03C	HV0.3	400-500	6904	6214
HDT-B-HV03D	HV0.3	500-600	6904	6214
HDT-B-HV03E	HV0.3	600-700	6904	6214
HDT-B-HV03F	HV0.3	700-750	6205	5585
HDT-B-HV05A	HV0.5	200-300	6205	5585
HDT-B-HV05B	HV0.5	300-400	6904	6214
HDT-B-HV05C	HV0.5	400-500	6904	6214
HDT-B-HV05D	HV0.5	500-600	6904	6214
HDT-B-HV05E	HV0.5	600-700	6904	6214
HDT-B-HV05F	HV0.5	700-750	6205	5585
HDT-B-HV1A	HV1	200-300	6205	5585
HDT-B-HV1B	HV1	300-400	6904	6214
HDT-B-HV1C	HV1	400-500	6904	6214
HDT-B-HV1D	HV1	500-600	6904	6214
HDT-B-HV1E	HV1	600-700	6904	6214
HDT-B-HV1F	HV1	700-750	6205	5585

Leeb hardness test blocks

Code	Type	Hardness	List Price (₹)	Promotion Price (₹)
HDT-B-HLD1	HLD	490-570	6904	6214
HDT-B-HLD2	HLD	590-670	6205	5585
HDT-B-HLD3	HLD	750-830	6205	5585
HDT-B-HLG1	HLG	460-540	22594	20335
HDT-B-HLG2	HLG	550-630	21441	19297

Brinell hardness test blocks

Code	Type	Hardness	List Price (₹)	Promotion Price (₹)
HDT-B-HB10A1	HBW10/3000	100-200	3965	3172
HDT-B-HB10A2	HBW10/3000	200-300	2611	2350
HDT-B-HB10A3	HBW10/3000	300-400	2633	2370
HDT-B-HB10A4	HBW10/3000	400-500	3965	3569
HDT-B-HB10A5	HBW10/3000	500-600	3965	3569
HDT-B-HB10A6	HBW10/3000	600-650	3965	3569
HDT-B-HB10B1	HBW10/1500	100-200	6440	5796
HDT-B-HB10B2	HBW10/1500	200-300	6440	5796
HDT-B-HB10B3	HBW10/1500	300-400	6440	5796
HDT-B-HB10B4	HBW10/1500	400-500	6440	5796
HDT-B-HB10B5	HBW10/1500	500-600	6440	5796
HDT-B-HB10B6	HBW10/1500	600-650	6440	5796
HDT-B-HB10C1	HBW10/1000	90-200	3965	3569
HDT-B-HB10C2	HBW10/1000	200-300	3965	3569
HDT-B-HB10C3	HBW10/1000	300-400	3965	3569
HDT-B-HB10C4	HBW10/1000	400-450	3965	3569
HDT-B-HB10D1	HBW10/500	90-200	6440	5796
HDT-B-HB10D2	HBW10/500	200-300	6440	5796
HDT-B-HB10D3	HBW10/500	300-400	6440	5796
HDT-B-HB10D4	HBW10/500	400-450	6440	5796
HDT-B-HB25A1	HBW2.5/187.5	100-200	3965	3569
HDT-B-HB25A2	HBW2.5/187.5	200-300	3965	3569
HDT-B-HB25A3	HBW2.5/187.5	300-400	3965	3569
HDT-B-HB25A4	HBW2.5/187.5	400-500	3965	3569
HDT-B-HB25A5	HBW2.5/187.5	500-600	3965	3569
HDT-B-HB25A6	HBW2.5/187.5	600-650	3965	3569
HDT-B-HB25B1	HBW2.5/62.5	90-200	3965	3569
HDT-B-HB25B2	HBW2.5/62.5	200-300	3965	3569
HDT-B-HB25B3	HBW2.5/62.5	300-400	3965	3569
HDT-B-HB25B4	HBW2.5/62.5	400-450	3965	3569
HDT-B-HB5A1	HBW5/750	100-200	3965	3569
HDT-B-HB5A2	HBW5/750	200-300	3965	3569
HDT-B-HB5A3	HBW5/750	300-400	3965	3569
HDT-B-HB5A4	HBW5/750	400-500	3965	3569
HDT-B-HB5A5	HBW5/750	500-600	3965	3569
HDT-B-HB5A6	HBW5/750	600-650	3965	3569
HDT-B-HB5B1	HBW5/250	90-200	3965	3569
HDT-B-HB5B2	HBW5/250	200-300	3965	3569
HDT-B-HB5B3	HBW5/250	300-400	3965	3569
HDT-B-HB5B4	HBW5/250	400-450	3965	3569

Shore hardness test blocks

Code	Type	Hardness *	List Price (₹)	Promotion Price (₹)
HDT-B-SA	SA	6 pcs/set (30, 40, 50, 60, 70, 80)	10872	9785
HDT-B-SD	SD	3 pcs/set (15, 30, 90)	9004	8104

*The actual value may be slightly different when delivered



Universal Testing Machines
Page 243



Digital Spring Testers
Page 244

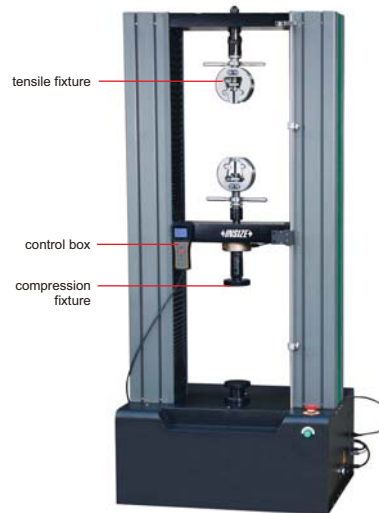
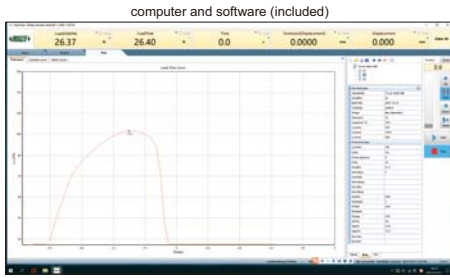


Force Gages
Page 245-246



Dial Tension Gages
Page 246

ELECTRONIC UNIVERSAL TESTING MACHINE CODE UTM-E50



- For tensile, compression, bend, shear, peel, tear tests of metal and non-metal materials

SPECIFICATION

List Price (₹)	ON REQUEST
Promotion Price (₹)	ON REQUEST
Max. test force	50kN
Accuracy class	0.5 class
Test force measurement range	0.2%~100%FS
Test force measurement accuracy	±0.5% of indicating value
Resolution of test force measurement	1/300000 of Max. test force (same resolution all the way)
Deformation measurement range	0.2%~100%FS
Deformation measurement accuracy	±0.5% of indicating value
Deformation measurement resolution	1/200000 of Max. deformation, up to 1/300000
Large deformation measurement range	10~800mm
Large deformation measurement accuracy	±1% of indicating value
Large deformation measurement resolution	8µm
Displacement accuracy	±0.5% of indicating value
Displacement resolution	0.01mm
Force control speed adjustment range	0.005~5%FS/s
Force control speed control accuracy	±2% of the set value (speed<0.05%FS/s) ±0.5% of the set value (speed≥0.05%FS/s)
Deformation speed adjustment range	0.005~5%FS/s
Deformation speed control accuracy	±2% of the set value (speed<0.05%FS/s) ±0.5% of the set value (speed≥0.05%FS/s)
Beam displacement speed adjustment range	0.001~500mm/min
Beam displacement speed control accuracy	±1% of the set value (speed<0.5mm/min) ±0.2% of the set value (speed≥0.5mm/min)
Crosshead travel *	970mm
Effective compression travel *	700mm
Horizontal test space *	440mm
Power supply	220V, 50Hz, 0.4kW~1kW
Demension	820×620×1880mm
Weight	350kg

*Can be customized according to test requirements



V-shaped jaws (included)



flat jaws (included)

STANDARD DELIVERY

Main unit	1 pc
Control box	1 pc
Computer	1 pc
Measuring software	1 pc
Printer	1 pc
Wedge tension fixture (including flat jaws and V-shaped jaws)	1 set
Compression fixture	1 set

OPTIONAL ACCESSORY

Extensometer

DIGITAL SPRING TESTERS

DATA
OUTPUT

ISF-S10



ISF-S500



ISF-S1000

- Peak hold and automatic release function
- Set upper and lower limits, red and green indicator and buzzer alarm
- Automatic conversion of three units: N, kgf, lbf
- Built in printer
- Automatic power off

SPECIFICATION

Code	ISF-S10	ISF-S20	ISF-S30	ISF-S50	ISF-S100	ISF-S200
List Price (₹)	148940	148972	149003	149034	149065	149096
Promotion Price (₹)	131068	131096	131123	131150	131178	131206
Maximum load	10N	20N	30N	50N	100N	200N
Resolution	0.001N	0.002N	0.01N	0.01N	0.02N	0.05N
Range of digital scale	65mm	65mm	65mm	95mm	95mm	95mm
Resolution of digital scale	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm
Disk diameter	Ø30mm	Ø30mm	Ø30mm	Ø49mm	Ø49mm	Ø49mm
Maximum free length of spring	65mm	65mm	65mm	95mm	95mm	95mm
Measuring range of force	5%~100% (maximum load)					
Accuracy of force	±1% (maximum load)					
Data output	RS232					
Power supply	220V, 50/60Hz					
Dimension	300×235×600mm	300×235×600mm	300×235×600mm	300×235×620mm	300×235×620mm	300×235×620mm
Weight	13.2kg	13.2kg	13.2kg	17.3kg	19.1kg	19.1kg

Code	ISF-S300	ISF-S500	ISF-S1000	ISF-S2000	ISF-S5000
List Price (₹)	149127	149157	180185	180216	220543
Promotion Price (₹)	131232	131259	158563	158591	194079
Maximum load	300N	500N	1000N	2000N	5000N
Resolution	0.1N	0.1N	0.2N	0.5N	1N
Range of digital scale	95mm	95mm	150mm	150mm	150mm
Resolution of digital scale	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm
Disk diameter	Ø49mm	Ø49mm	Ø108mm	Ø108mm	Ø108mm
Maximum free length of spring	95mm	95mm	200mm	200mm	200mm
Measuring range of force	5%~100% (maximum load)				
Accuracy of force	±1% (maximum load)				
Data output	RS232				
Power supply	220V, 50/60Hz				
Dimension	300×235×620mm	300×235×620mm	490×300×920mm	490×300×920mm	490×300×920mm
Weight	19.1kg	20.8kg	47.5kg	47.5kg	47.5kg

STANDARD DELIVERY

Main unit	1 pc
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DIGITAL FORCE GAGES

INSPECTION
CERTIFICATE

DATA
OUTPUT



- Push and pull test
- Units: lbf, ozf, N, gf, kgf
- 500 memories
- Automatic power off
- Metal case
- LCD display with backlight
- The display flips over when the bottom faces up
- Overload alarm



software flash disk
(included)



printer (optional)

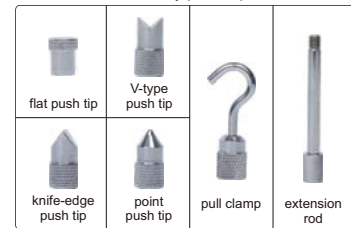


ISF-1DF100

SPECIFICATION

Code	ISF-1DF10	ISF-1DF50	ISF-1DF100	ISF-1DF500	ISF-1DF1000
List Price (₹)	27882	27882	27882	27882	27882
Promotion Price (₹)	23700	23700	23700	27046	27046
Load capacity (N)	10	50	100	500	1000
Resolution (N)	0.01	0.01	0.1	0.1	1
Accuracy	±0.3% (of load capacity)				
Measuring mode	tracking, peak (max.), tolerance testing				
Power supply	built-in rechargeable battery				
Dimension	150×73×33mm				
Weight	450g				

accessory (included)



STANDARD DELIVERY

Main unit	1 pc
AC/DC adapter	1 pc
Software and USB cable	1 pc
Push/pull accessory	6 pcs (flat push tip, V-type push tip, knife-edge push tip, point push tip, pull clamp, extension rod)

OPTIONAL ACCESSORY

Printer	ISF-DF-PRINTER
Test stand	ISF-MT1K

TEST STAND FOR DIGITAL FORCE GAGE CODE ISF-MT1K



- For digital force gages (code ISF-1DF□□ and ISF-DF□□)
- To be used in vertical and horizontal orientation

force gage
is optional



SPECIFICATION

List Price (₹)	37475
Promotion Price (₹)	33728
Load capacity	1000N
Travel	200mm (3mm vertical movement per revolution of handwheel)
Dimension	196×250×446mm
Weight	13kg

OPTIONAL ACCESSORY

Digital scale (range: 200mm, resolution: 0.01mm/0.0005")	ISF-MT1K-SCALE
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horizontal orientation test



digital scale (optional)

FORCE GAGES

- Push and pull test
- Peak (max.) or tracking mode



SPECIFICATION

Code	ISF-F10	ISF-F20	ISF-F30	ISF-F50	ISF-F100	ISF-F200	ISF-F300	ISF-F500	
List Price (₹)	11656	11656	11656	10176	10176	10176	10176	10176	
Promotion Price (₹)	8791	8791	8791	8791	8791	8791	8791	8791	
Capacity	N	10	20	30	50	100	200	300	500
	kgf	1	2	3	5	10	20	30	50
Graduation	N	0.05	0.1	0.2	0.25	0.5	1	2	2.5
Accuracy	±1% (of load capacity)								

STANDARD DELIVERY

Main unit	1 pc
Push tip	4 pcs (flat, V-type, knife-edge, point)
Pull clamp	1 pc
Extension rod	1 pc

OPTIONAL ACCESSORY

Test stand	ISF-MT500
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ISF-F500

accessory (included)



TEST STAND FOR FORCE GAGE CODE ISF-MT500



horizontal orientation test

force gage
is optional



- For force gages (code ISF-F□□□)
- To be used in vertical and horizontal orientation

SPECIFICATION

List Price (₹)	11738
Promotion Price (₹)	10564
Load capacity	500N
Travel	150mm (3mm vertical movement per revolution of handwheel)
Dimension	160×240×460mm
Weight	12kg

MANUAL STRIPPING FORCE TEST STANDS



force gage
is optional

- For stripping force test with force gages



ISF-P30A

SPECIFICATION

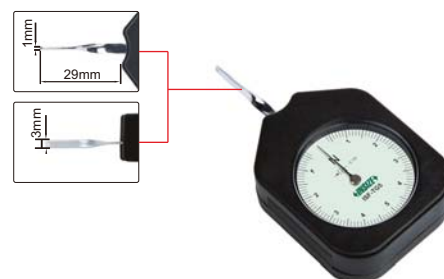
Code	ISF-P30A	ISF-P30D
List Price (₹)	40754	48789
Promotion Price (₹)	36679	43910
Apply to	dial force gages (code ISF-F□□□)	digital force gages (code ISF-1DF□□□ and ISF-DF□□□)
Load capacity	500N	
Horizontal travel	170mm	
Dimension	420×215×480mm	
Weight	22kg	

DIAL TENSION GAGES

- Clockwise and counter-clockwise use
- For electronic and precision mechanical industry, such as test the contact pressure of relay, adjust the tension or compression of spring

SPECIFICATION (Unit: N)

Code	ISF-TGD1	ISF-TGD3	ISF-TGD5	ISF-TG1	ISF-TG5
List Price (₹)	4093	4093	4093	4093	4093
Promotion Price (₹)	3684	3684	3684	3684	3684
Range (N)	0.01~0.1	0.03~0.3	0.05~0.5	0.1~1	0.5~5
Graduation (N)	0.002	0.005	0.01	0.02	0.1
Accuracy	±2% (full scale)				
Dimension (L×W×H)	90×47×19mm				
Weight	60g				



ISF-TG5



26

TORQUE TESTERS, TORQUE WRENCHES

←INSIZE→



Digital Torque Testers
Page 248



Torque Screwdrivers
Page 248



Torque Wrenches
Page 249-254

DIGITAL TORQUE TESTERS

ATTENTION: NOT SUITABLE FOR ELECTRIC WRENCHES, IMPACT WRENCHES OR PNEUMATIC WRENCHES



- Test torque wrenches, torque screwdrivers and other torque tools
- Clockwise operation
- Peak, track and first peak working modes
- Tolerance testing
- LED indicator for target torque alarm:
 - Green LED light on when the value is within tolerance;
 - Red LED light on when the value is above the high tolerance
- Power off automatically in 2 minutes without any operations



**IST-04TT350
type A**



**IST-04TT815
type B**

SPECIFICATION

Code	IST-04TT5	IST-04TT28	IST-04TT68	IST-04TT350	IST-04TT815	IST-04TT1000	IST-04TT2000
List Price (₹)	76563	76563	68578	68578	77290	77290	77290
Promotion Price (₹)	68907	68907	61720	61720	69561	69561	69561
Type	A				B		
Range	0.5~5N.m	2.8~28N.m	6.8~68N.m	35~350N.m	81.5~815N.m	100~1000N.m	200~2000N.m
Accuracy	±1% (clockwise)						
Resolution	0.001N.m	0.01N.m	0.01N.m	0.1N.m	0.1N.m	1N.m	1N.m
Unit	N.m, in.lb, ft.lb, kg.cm					N.m, ft.lb	
Square socket/hex driver	1/4"	3/8"	3/8"	1/2"	27mm	27mm	27mm
Adaptor	no	3/8" to 1/4"	3/8" to 1/4"	1/2" to 3/8" 3/8" to 1/4"	no		
Power supply	DC						
Weight	0.75kg	0.75kg	1.1kg	1.1kg	5.1kg	5.1kg	5.1kg

STANDARD DELIVERY

Main unit	1 pc
AC/DC adapter	1 pc
Adaptor	refer to details



adaptor
(type A included)

TORQUE SCREWDRIVERS

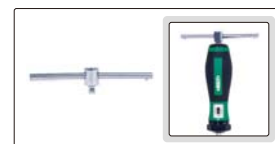
ATTENTION: CLOCKWISE OPERATION ONLY



IST-MG100

SPECIFICATION

Code	IST-MG100	IST-MG250	IST-MG360	IST-MG600
List Price (₹)	12440	13210	13980	15520
Promotion Price (₹)	11276	11973	12671	14067
Range (clockwise)	20~100cN.m	50~250cN.m	60~360cN.m	1.0~6.0N.m
Graduation	2cN.m	5cN.m	5cN.m	0.1N.m
Head	1/4" hex socket			
Accuracy	±6%			
Length	172mm			
Weight	0.26kg			



T-bar wrench (for IST-MG250, IST-MG360, IST-MG600)

STANDARD DELIVERY

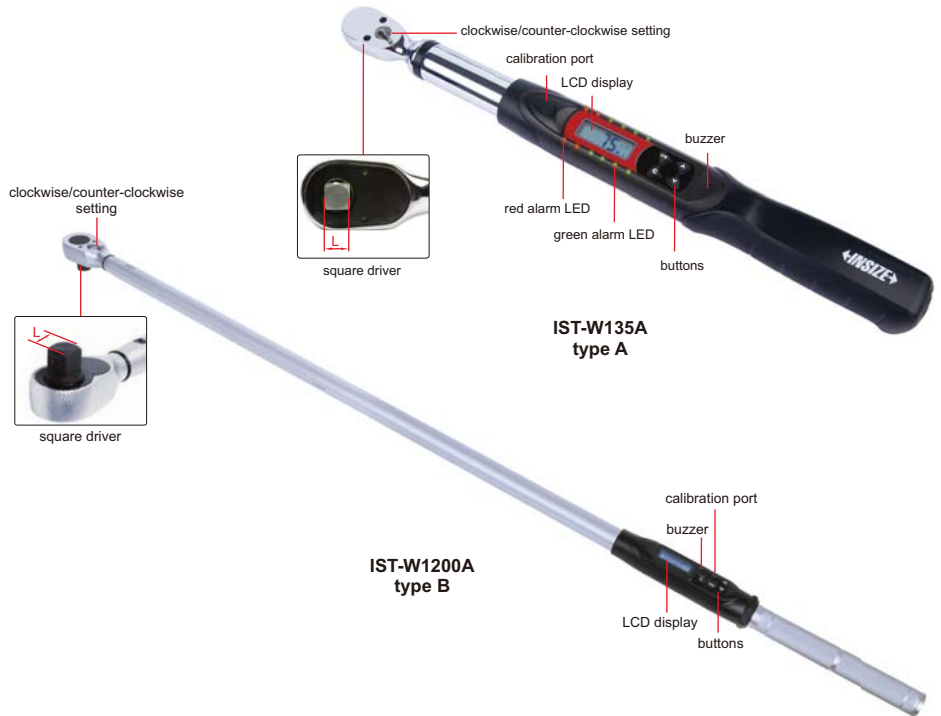
Torque screwdriver	1 pc
T-bar wrench (for IST-MG250, IST-MG360, IST-MG600)	1 pc

DIGITAL TORQUE WRENCHES

OPTIONAL ACCURACY:
 CLOCKWISE: $\pm 1\%$
 COUNTER-CLOCKWISE: $\pm 2\%$
 ONLY FOR RANGE 6~850N.m



- Clockwise and counter-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm
- Peak and track working mode
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 90%~100% of target torque
 - Both green and red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)



SPECIFICATION

Code	Type	Range	Accuracy	Resolution	Square driver (L)	Power supply	Length	Weight	List Price (₹)	Promotion Price (₹)
IST-W30A	A	6~30N.m	clockwise: $\pm 2\%$ counter-clock wise: $\pm 3\%$	0.01N.m	1/4"	2xAA batteries, for 110 hours working	390mm	830g	20724	20102
IST-W135A		27~135N.m		0.1N.m	3/8"		415mm	950g	21626	20977
IST-W200A		40~200N.m		0.1N.m	1/2"		530mm	1.4kg	24734	23992
IST-W340A		68~340N.m		0.1N.m	1/2"		650mm	1.6kg	26524	25728
IST-W500A *	B	100~500N.m	clockwise: $\pm 2.5\%$ counter-clock wise: $\pm 3.5\%$	0.1N.m	3/4"		1285mm	7kg	63190	61294
IST-W850A		170~850N.m		0.1N.m	3/4"		1295mm	6kg	72747	70565
IST-W1200A		240~1200N.m		1N.m	1"		1920mm	13kg	117482	113958
IST-W1500A		300~1500N.m		1N.m	1"		1920mm	13kg	131565	127618
IST-W2000A		400~2000N.m		1N.m	1"		1920mm	14kg	155470	150806

OPTIONAL ACCESSORY

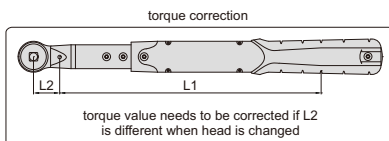
Calibration cable **IST-W-CABLE**

* The accuracy of this code is not optional

INTERCHANGEABLE HEAD DIGITAL TORQUE WRENCHES



OPTIONAL ACCURACY:
 CLOCKWISE: $\pm 1\%$
 COUNTER-CLOCKWISE: $\pm 2\%$



- Clockwise and counter-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm, degree
- Peak and track working modes
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 90%~100% of target torque
 - Both green and red LED light on and buzzer sounds when target torque value is reached
- Power off in 5 minutes automatically without any operations
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)



To be continued

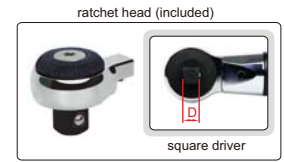
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SPECIFICATION

Code	IST-2W30A	IST-2W135A	IST-2W200A	IST-2W340A	IST-2W410A
List Price (₹)	23229	24438	27412	29613	41099
Promotion Price (₹)	22068	23216	26041	28132	36989
Range	6~30N.m	27~135N.m	40~200N.m	68~340N.m	82~410N.m
Accuracy	clockwise	±2%			
	counter-clockwise	±3%			
Resolution	0.01N.m	0.1N.m	0.1N.m	0.1N.m	0.1N.m
Socket size (A×B)	12×9mm	12×9mm	18×14mm	18×14mm	18×14mm
Arm length (L1)	272.7mm	287.7mm	381.2mm	501.2mm	501.2mm
Power supply	2xAA batteries, for 110 hours working				
Weight	1400g	1570g	2170g	2320g	2320g

RATCHET HEAD (INCLUDED) SPECIFICATION

Code of torque wrench	IST-2W30A	IST-2W135A	IST-2W200A	IST-2W340A	IST-2W410A
Square driver (D)	1/4"	3/8"	1/2"	1/2"	3/4"
Length (L2)	29mm	29mm	40mm	40mm	40mm



STANDARD DELIVERY

Torque wrench	1 pc
Ratchet head	1 pc

OPTIONAL ACCESSORY

Calibration cable	IST-W-CABLE
Interchangeable head	refer to details



RATCHET HEAD (optional)

Code	Square driver (D)	Applicable wrenches
IST-2W-R1	1/4"	IST-2W30A
IST-2W-R2	3/8"	IST-2W135A
IST-2W-R3	1/2"	IST-2W135A
IST-2W-R4	1/2"	IST-2W200A IST-2W340A IST-2W410A



ADJUSTABLE SPANNER HEAD (optional)

Code	Open size	Applicable wrenches
IST-2W-A1	5~27mm	IST-2W30A IST-2W135A
IST-2W-A2	5-30mm	IST-2W-200A IST-2W-410A
IST-2W-A3	10-41mm	IST-2W-340A IST-2W-410A

OPEN END HEAD (optional)

Code	Open size	Applicable wrenches	
IST-2W-K7	7mm	IST-2W30A IST-2W135A	
IST-2W-K8	8mm		
IST-2W-K9	9mm		
IST-2W-K10	10mm		
IST-2W-K11	11mm		
IST-2W-K12	12mm		
IST-2W-K13	13mm		
IST-2W-K14	14mm		
IST-2W-K15	15mm		
IST-2W-K16	16mm		
IST-2W-K17	17mm		
IST-2W-K18	18mm		
IST-2W-K19	19mm		
IST-2W-K13A	13mm		IST-2W200A IST-2W340A IST-2W410A
IST-2W-K14A	14mm		
IST-2W-K15A	15mm		
IST-2W-K16A	16mm		
IST-2W-K17A	17mm		
IST-2W-K18A	18mm		
IST-2W-K19A	19mm		
IST-2W-K21A	21mm		
IST-2W-K22A	22mm		
IST-2W-K24A	24mm		
IST-2W-K27A	27mm		

BOX END HEAD (optional)

Code	Open size	Applicable wrenches	
IST-2W-M7	7mm	IST-2W30A IST-2W135A	
IST-2W-M8	8mm		
IST-2W-M10	10mm		
IST-2W-M11	11mm		
IST-2W-M12	12mm		
IST-2W-M13	13mm		
IST-2W-M14	14mm		
IST-2W-M15	15mm		
IST-2W-M16	16mm		
IST-2W-M17	17mm		
IST-2W-M18	18mm		
IST-2W-M19	19mm		
IST-2W-M21	21mm		
IST-2W-M22	22mm		
IST-2W-M13A	13mm		IST-2W200A IST-2W340A
IST-2W-M14A	14mm		
IST-2W-M15A	15mm		
IST-2W-M16A	16mm		
IST-2W-M17A	17mm		
IST-2W-M18A	18mm		
IST-2W-M19A	19mm		
IST-2W-M21A	21mm		

BLUETOOTH DIGITAL TORQUE WRENCHES (KEYBOARD SIGNAL)

BUILT-IN BLUETOOTH

TYPE B OPTIONAL ACCURACY:
CLOCKWISE: ±1%
COUNTER-CLOCKWISE: ±2%



INSPECTION
CERTIFICATE



IST-15W12A
type A



IST-15W135A
type B



transmission distance is 10 meters
(no obstacles, no electromagnetic interference)

Torque wrenches:

- Unit: in.lb, ft.lb, N.m, kg.cm
- Clockwise and counter-clockwise operation
- Peak and track working mode
- Can set tolerance with judgement in peak working mode
- 9 target torque values can be set, with audible and visible alarm:
LED lights up in sequence, and the buzzer gets louder and louder when torque value is 80%~99.5% of target torque
- Memory of 2000 results
- Power off in 2 minutes automatically
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)

Data transmission:

- Built-in Bluetooth 4.0 module, which can be connected with computers (with Bluetooth function), mobile phones, tablets and other devices
- Keyboard signal, can be transmitted to Excel, Word, TXT
- Transmission distance is 10 meters (no obstacles, no electromagnetic interference)
- Bluetooth connection and disconnection are respectively shown by indicator lights

SPECIFICATION

Code	IST-15W06A	IST-15W12A	IST-15W20A	IST-15W30A	IST-15W135A	IST-15W200A	IST-15W340A
List Price (₹)	120534	120534	120534	118954	118954	118954	118954
Promotion Price (₹)	108481	108481	108481	107059	107059	107059	107059
Type	A (short handle)			B (long handle)			
Range	1.2~6N.m	2.4~12N.m	4~20N.m	6~30N.m	27~135N.m	40~200N.m	68~340N.m
Accuracy	clockwise	±2%					
	counter-clockwise	±3%					
Tolerance setting range	-20%~+20% (target torque value)						
Resolution	0.001N.m	0.01N.m	0.01N.m	0.01N.m	0.1N.m	0.1N.m	0.1N.m
Square driver (L)	1/4"	1/4"	1/4"	1/4"	3/8"	1/2"	1/2"
Power supply	2xAAA batteries			2xAA batteries			
Length	215mm	215mm	215mm	390mm	415mm	530mm	650mm
Weight	750g	750g	750g	760g	940g	1340g	1540g

OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
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TORQUE WRENCHES

ATTENTION: CLOCKWISE OPERATION ONLY

- According to DIN ISO 6789, ASME B107.300
- All-metal construction, sturdy and durable



IST-9WM335

SPECIFICATION

Code	IST-9WM12	IST-9WM20	IST-9WM30	IST-9WM60	IST-9WM100	IST-9WM125	IST-9WM200
List Price (₹)	7652	7866	7341	7503	7779	8334	8355
Promotion Price (₹)	7422	7063	6592	6738	6985	7485	7505
Range (clockwise)	2.5~12N.m	4~20N.m	6~30N.m	10~60N.m	20~100N.m	25~125N.m	40~200N.m
Accuracy	±6% (<10N.m) ±4% (≥10N.m)	±6% (<10N.m) ±4% (≥10N.m)	±6% (<10N.m) ±4% (≥10N.m)	±4%	±4%	±4%	±4%
Graduation	0.1N.m	0.1N.m	0.2N.m	0.5N.m	0.5N.m	0.5N.m	1N.m
Square driver (D)	1/4"	1/4"	3/8"	3/8"	1/2"	1/2"	1/2"
Length	290mm	290mm	318mm	388mm	443mm	443mm	468mm
Weight	680g	680g	820g	960g	1040g	1040g	1160g

Code	IST-9WM335	IST-9WM500	IST-9WM800	IST-9WM1000	IST-9WM1500	IST-9WM2000	IST-9WM3000
List Price (₹)	8941	46730	49325	49325	76285	76285	100898
Promotion Price (₹)	8030	41967	47845	47845	73996	73996	97871
Range (clockwise)	65~335N.m	100~500N.m	160~800N.m	200~1000N.m	300~1500N.m	400~2000N.m	600~3000N.m
Accuracy	±4%	±4%	±4%	±4%	±4%	±4%	±4%
Graduation	1N.m	2.5N.m	4N.m	5N.m	5N.m	10N.m	15N.m
Square driver (D)	1/2"	3/4"	3/4"	3/4"	1"	1"	1"
Length	528mm	855mm	1055mm	1055mm	1260mm	1260mm	1260mm
Weight	1300g	5000g	5900g	5900g	9200g	9200g	10500g

INTERCHANGEABLE HEAD TORQUE WRENCHES

ATTENTION: CLOCKWISE OPERATION ONLY

- According to DIN ISO 6789, ASME B107.300
- All-metal construction, sturdy and durable



IST-11WM200

SPECIFICATION

Code	Range (clockwise)	Accuracy	Graduation	Socket size (A×B)	Length	Weight	List Price (₹)	Promotion Price (₹)
IST-11WM12	2.5~12N.m	±6% (<10N.m), ±4% (≥10N.m)	0.05N.m	12×9mm	284mm	580g	8434	7591
IST-11WM30	6.0~30N.m	±6% (<10N.m), ±4% (≥10N.m)	0.1N.m	12×9mm	303mm	720g	8465	7619
IST-11WM60	10~60N.m	±4%	0.5N.m	12×9mm	372mm	860g	8837	7953
IST-11WM125	25~125N.m	±4%	0.5N.m	12×9mm	427mm	940g	7428	6685
IST-11WM200	40~200N.m	±4%	1N.m	18×14mm	460mm	1060g	9817	8835
IST-11WM335	65~335N.m	±4%	1N.m	18×14mm	520mm	1200g	10479	9431
IST-11WM500	100~500N.m	±4%	2.5N.m	32×24mm	855mm	5000g	50341	45307
IST-11WM800	160~800N.m	±4%	4N.m	32×24mm	1055mm	5900g	54633	49170
IST-11WM1000	200~1000N.m	±4%	5N.m	32×24mm	1055mm	5900g	54633	49170
IST-11WM1500	300~1500N.m	±4%	5N.m	36×27mm	1249mm	9000g	85471	76924
IST-11WM2000	400~2000N.m	±4%	10N.m	36×27mm	1249mm	9000g	80416	72374
IST-11WM3000	600~3000N.m	±4%	15N.m	36×27mm	1249mm	10300g	106384	95746

To be continued

Continued from previous page

RATCHET HEAD (optional)

Code	Square driver	Applicable wrenches
IST-11WM-R1	1/4"	IST-11WM12 IST-11WM30
IST-11WM-R2	3/8"	IST-11WM12, IST-11WM30 IST-11WM60, IST-11WM125
IST-11WM-R3	1/2"	IST-11WM200 IST-11WM335
IST-11WM-R4 *	3/4"	IST-11WM200 IST-11WM335
IST-11WM-R5	3/4"	IST-11WM500, IST-11WM800 IST-11WM1000
IST-11WM-R6	1"	IST-11WM1500, IST-11WM2000 IST-11WM3000



HOOK HEAD (optional)

Hook head	customized according to customer requirements
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OPEN END HEAD (optional)

Code	Open size	Applicable wrenches
IST-11WM-K8	8mm	IST-11WM12 IST-11WM30 IST-11WM60 IST-11WM125
IST-11WM-K10	10mm	
IST-11WM-K13	13mm	
IST-11WM-K14	14mm	
IST-11WM-K15	15mm	
IST-11WM-K17	17mm	
IST-11WM-K19 *	19mm	
IST-11WM-K13A	13mm	IST-11WM200 IST-11WM335
IST-11WM-K14A	14mm	
IST-11WM-K15A	15mm	
IST-11WM-K17A	17mm	
IST-11WM-K19A	19mm	
IST-11WM-K22A	22mm	
IST-11WM-K24A	24mm	
IST-11WM-K27A *	27mm	
IST-11WM-K30A *	30mm	
IST-11WM-K32A *	32mm	
IST-11WM-K22B	22mm	IST-11WM500 IST-11WM800 IST-11WM1000
IST-11WM-K24B	24mm	
IST-11WM-K27B	27mm	
IST-11WM-K28B	28mm	
IST-11WM-K30B	30mm	
IST-11WM-K32B	32mm	
IST-11WM-K33B *	33mm	
IST-11WM-K36B *	36mm	
IST-11WM-K38B *	38mm	
IST-11WM-K40B *	40mm	
IST-11WM-K30C	30mm	IST-11WM1500 IST-11WM2000 IST-11WM3000
IST-11WM-K32C	32mm	
IST-11WM-K34C	34mm	
IST-11WM-K36C	36mm	
IST-11WM-K38C	38mm	
IST-11WM-K41C	41mm	
IST-11WM-K45C	45mm	
IST-11WM-K50C *	50mm	
IST-11WM-K55C *	55mm	
IST-11WM-K60C *	60mm	

BOX END HEAD (optional)

Code	Open size	Applicable wrenches
IST-11WM-M8	8mm	IST-11WM12 IST-11WM30 IST-11WM60 IST-11WM125
IST-11WM-M10	10mm	
IST-11WM-M13	13mm	
IST-11WM-M14	14mm	
IST-11WM-M15	15mm	
IST-11WM-M17	17mm	
IST-11WM-M19	19mm	
IST-11WM-M13A	13mm	IST-11WM200 IST-11WM335
IST-11WM-M14A	14mm	
IST-11WM-M15A	15mm	
IST-11WM-M17A	17mm	
IST-11WM-M19A	19mm	
IST-11WM-M22A	22mm	
IST-11WM-M24A	24mm	
IST-11WM-M27A	27mm	
IST-11WM-M30A	30mm	
IST-11WM-M32A	32mm	
IST-11WM-M22B	22mm	IST-11WM500 IST-11WM800 IST-11WM1000
IST-11WM-M24B	24mm	
IST-11WM-K27B	27mm	
IST-11WM-M28B	28mm	
IST-11WM-M30B	30mm	
IST-11WM-M32B	32mm	
IST-11WM-M33B	33mm	
IST-11WM-M36B *	36mm	
IST-11WM-M38B *	38mm	
IST-11WM-M40B	40mm	
IST-11WM-M30C	30mm	IST-11WM1500 IST-11WM2000 IST-11WM3000
IST-11WM-M32C	32mm	
IST-11WM-M34C	34mm	
IST-11WM-M36C	36mm	
IST-11WM-M38C	38mm	
IST-11WM-M41C	41mm	
IST-11WM-M45C	45mm	
IST-11WM-M50C	50mm	
IST-11WM-M55C *	55mm	
IST-11WM-M60C *	60mm	

*Torque value needs to be corrected for these heads

MECHANICAL TORQUE WRENCHES (DIGITAL SETTING)

ATTENTION: DISPLAY PRE-SET TORQUE VALUE (NOT REAL TIME TORQUE)

ATTENTION: CLOCKWISE OPERATION ONLY



- Unit: N.m, in.lb, ft.lb, kg.cm
- Mechanical "click" torque wrench, the pre-set torque value is shown on the display

IST-19WM100

SPECIFICATION

Code	IST-19WM60	IST-19WM100	IST-19WM140	IST-19WM200	IST-19WM300
List Price (₹)	15084	17637	20517	21259	24288
Promotion Price (₹)	14330	16755	19491	20196	23073
Range (clockwise)	6~60N.m	10~100N.m	14~140N.m	20~200N.m	30~300N.m
Accuracy	±3%	±3%	±3%	±3%	±3%
Graduation	0.1N.m	0.1N.m	0.1N.m	0.1N.m	0.1N.m
Square driver (D)	3/8"	3/8"	1/2"	1/2"	1/2"
Length	382mm	450mm	481mm	520mm	585mm
Weight	1.3kg	1.4kg	1.45kg	1.6kg	1.8kg

DIAL TORQUE WRENCHES



- Clockwise and counter-clockwise operation
- According to DIN ISO 6789, ASME B107.300

IST-DW70

SPECIFICATION

Code	IST-DW1D8	IST-DW3D5	IST-DW9	IST-DW18	IST-DW35	IST-DW70	IST-DW140	IST-DW240	IST-DW350	IST-DW480
List Price (₹)	14958	13492	13492	13955	13955	15601	17941	17941	17941	49205
Promotion Price (₹)	13462	12166	12166	12580	12580	14064	16169	16169	16169	47729
Range	0.36~1.8N.m 3~16in.lb	0.7~3.5N.m 6~30in.lb	1.8~9N.m 15~75in.lb	3.6~18N.m 30~150in.lb	7~35N.m 60~300in.lb	14~70N.m 120~600in.lb	28~140N.m 20~100ft.lb	48~240N.m 35~175ft.lb	70~350N.m 50~250ft.lb	96~480N.m 70~350ft.lb
Accuracy	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Graduation	0.02N.m 0.2in.lb	0.05N.m 0.5in.lb	0.1N.m 1in.lb	0.2N.m 2in.lb	0.5N.m 5in.lb	1N.m 10in.lb	2N.m 1ft.lb	3N.m 2.5ft.lb	2.5N.m 2.5ft.lb	6N.m 5ft.lb
Square driver (D)	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	3/4"
Length	254mm	254mm	254mm	254mm	254mm	378mm	546mm	546mm	546mm	708mm
Weight	480g	480g	480g	480g	480g	820g	1300g	1300g	1300g	4030g



Electronic Balances
Page 256



Weighing Scales
Page 257-258



Counting Scales
Page 258



Electronic Pocket Scales
Page 259



Platform Scales
Page 259



Floor Scales
Page 260



Electronic Crane Scales
Page 260-261



Moisture Analyzers
Page 261



Weight Sets
Page 262

ELECTRONIC BALANCES (0.1mg)

DATA
OUTPUT

- Electromagnetic sensor
- Unit: g, ct, oz, lb
- Weighing, counting, taring
- Data output



calibration weight
(included)

SPECIFICATION

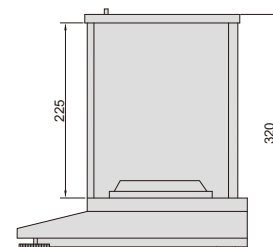
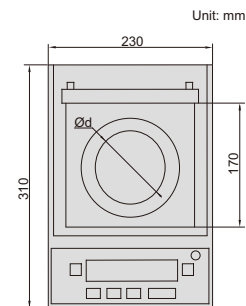
Code	8304-120	8304-220
List Price (₹)	50593	56531
Promotion Price (₹)	48063	53704
Maximum weighing	120g	220g
Minimum weighing	10mg	10mg
Resolution (d)	0.1mg	0.1mg
Verification interval (e)	1mg	1mg
Accuracy (m is load)	m≤50g: ±0.5mg; 50g<m≤120g: ±1mg	m≤50g: ±0.5mg; 50g<m≤200g: ±1mg; m>200g: ±1.5mg
Weighing pan size (Ød)	Ø90mm	
Operation temperature	10~30°C	
Operation humidity	20~85% RH	
Power supply	power adapter (12V/2A)	
Dimension (L×W×H)	230×310×320mm	



8304-120



printer (optional)



OPTIONAL ACCESSORY

RS232 cable	8304-CABLE
Printer	8303-PRINTER

ELECTRONIC BALANCES (1mg)

DATA
OUTPUT

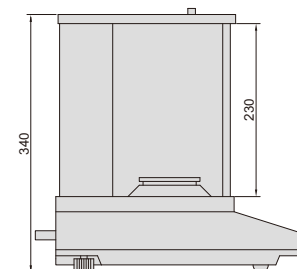
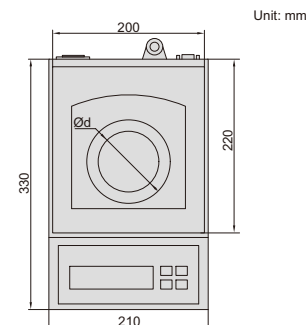
- Aluminum alloy shell, wind shield, three side glass sliding doors
- Electromagnetic balance sensor
- Unit: g, ct, oz, oz, gn, dwt, mg
- Weighing, counting, taring
- Data output
- With a hook at the bottom



calibration weight
(included)



8303-520



SPECIFICATION

Code	8303-220	8303-320	8303-520	8303-620	8303-1020
List Price (₹)	30580	32835	37346	40730	63285
Promotion Price (₹)	27522	29552	33611	36657	56956
Maximum weighing	220g	320g	520g	620g	1020g
Minimum weighing	20mg	20mg	100mg	100mg	100mg
Resolution (d)	1mg	1mg	1mg	1mg	1mg
Verification interval (e)	10mg	10mg	10mg	10mg	10mg
Accuracy	load capacity≤500g: ±5mg; load capacity>500g: ±10mg				
Weighing pan size (Ød)	Ø80mm			Ø120mm	
Operation temperature	15~30°C		18~23°C		
Operation humidity	40%~80% RH		50%~70% RH		
Power supply	220V, 50/60Hz				
Dimension (L×W×H)	330×210×340mm				



printer (optional)

OPTIONAL ACCESSORY

RS232 cable	8301-CABLE*
Printer	8303-PRINTER

*Used to connect with computers

ELECTRONIC BALANCES

DATA OUTPUT

- Automatic zero when power on
- Unit: g (gram), ct (carat), ozt (troy ounce)
- Weighing, counting, taring
- Overload alarm
- Data output



windshield
(included in 8301-300,
8301-600 and 8301-1200)



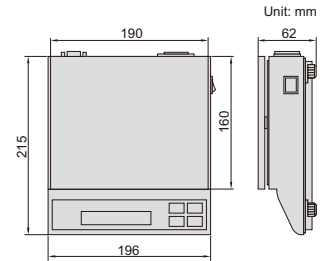
calibration weight
(included in 8301-300,
8301-600 and 8301-1200)



8301-3000

SPECIFICATION

Code	8301-300	8301-600	8301-1200	8301-3000	8301-6000
List Price (₹)	13768	19365	29342	13768	19365
Promotion Price (₹)	11821	16626	25191	11821	16626
Maximum weighing	300g	600g	1200g	3000g	6000g
Minimum weighing	0.2g	0.2g	0.2g	2g	2g
Resolution (d)	0.01g	0.01g	0.01g	0.1g	0.1g
Verification interval (e)	0.1g	0.1g	0.1g	1g	1g
Accuracy (m is load)	m≤50g: ±0.05g; 50g<m≤200g: ±0.1g; m>200g: ±0.15g		m≤500g: ±0.5g; 500g<m≤2000g: ±1g; m>2000g: ±1.5g		
Weighing pan size	Ø135mm		190×160mm		
Operation temperature	0~40°C				
Operation humidity	≤80% RH				
Power supply	220V, 50/60Hz				
Dimension (L×W×H)	215×196×62mm				



OPTIONAL ACCESSORY

RS232 cable	8301-CABLE
-------------	------------

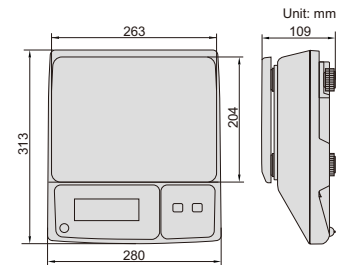
WEIGHING SCALES (OIML CERTIFICATE)



- LCD display, with backlight
- Zero-setting, subtracting tare value
- Overload alarm
- Automatic power off
- OIML certificate (No. 0200-NAWI-04601)



8002-30M



SPECIFICATION

Code	8002-6M	8002-15M	8002-30M	8002-6MD	8002-15MD	8002-30MD
List Price (₹)	13591	13591	13591	18201	18201	18201
Promotion Price (₹)	12367	12367	12367	16381	16381	16381
Maximum capacity	3/6kg	6/15kg	15/30kg	3/6kg	6/15kg	15/30kg
Minimum capacity	20g	40g	100g	20g	40g	100g
Resolution (d)	1/2g	2/5g	5/10g	1/2g	2/5g	5/10g
Verification interval (e)	2g	5g	10g	2g	5g	10g
Accuracy (m is load)	m≤3kg: ±1g 3kg<m≤6kg: ±2g	m≤6kg: ±2g 6kg<m≤15kg: ±5g	m≤15kg: ±5g 15kg<m≤30kg: ±10g	m≤3kg: ±1g 3kg<m≤6kg: ±2g	m≤6kg: ±2g 6kg<m≤15kg: ±5g	m≤15kg: ±5g 15kg<m≤30kg: ±10g
Output	no			RS232		
Operation temperature	-10~40°C					
Power	rechargeable battery (6V/3.2Ah), power adapter (12V/500mA)					
Dimensions of pan	263×204mm					

WEIGHING SCALES (HIGH PRECISION)

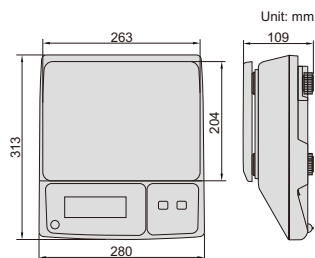
- LCD display, with backlight
- Zero-setting, subtracting tare value
- Overload alarm
- Automatic power off

OPTIONAL ACCESSORY (for scales with RS232)

Printer 8001-PRINTER



8001-30



printer (optional)

SPECIFICATION

Code	8001-6	8001-15	8001-30	8001-6D	8001-15D	8001-30D
List Price (₹)	15418	15418	15418	18201	17527	17527
Promotion Price (₹)	12928	12928	12928	16381	15774	15774
Maximum weighing	6kg	15kg	30kg	6kg	15kg	30kg
Minimum weighing	4g	10g	20g	4g	10g	20g
Resolution (d)	0.2g	0.5g	1g	0.2g	0.5g	1g
Accuracy (m is load)	m≤1kg: ±1g 1kg<m≤4kg: ±2g m>4kg: ±3g	m≤2.5kg: ±2.5g 2.5kg<m≤10kg: ±5g m>10kg: ±7.5g	m≤5kg: ±5g 5kg<m≤20kg: ±10g m>20kg: ±15g	m≤1kg: ±1g 1kg<m≤4kg: ±2g m>4kg: ±3g	m≤2.5kg: ±2.5g 2.5kg<m≤10kg: ±5g m>10kg: ±7.5g	m≤5kg: ±5g 5kg<m≤20kg: ±10g m>20kg: ±15g
Units	kg, lb			kg		
Output	no			RS232		
Operation temperature	-10~40°C					
Power	rechargeable battery (6V/3.2Ah), power adapter (12V/500mA)					
Dimensions of pan	263×204mm					

COUNTING SCALES

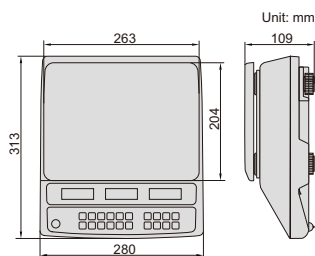
- LCD display, with backlight
- Zero-setting, subtracting tare value, counting, accumulation, checking alarm
- Overload alarm
- Units: kg, g, lb, tj, hj, lb-oz

OPTIONAL ACCESSORY (for scales with RS232)

Printer 8001-PRINTER



8101-30



printer (optional)

SPECIFICATION

Code	8101-6	8101-15	8101-30	8101-6D	8101-15D	8101-30D
List Price (₹)	13591	13591	13591	18201	17527	17527
Promotion Price (₹)	12367	12367	12367	16381	15774	15774
Maximum weighing	6kg	15kg	30kg	6kg	15kg	30kg
Minimum weighing	4g	10g	20g	4g	10g	20g
Resolution (d)	0.2g	0.5g	1g	0.2g	0.5g	1g
Accuracy (m is load)	m≤1kg: ±1g 1kg<m≤4kg: ±2g m>4kg: ±3g	m≤2.5kg: ±2.5g 2.5kg<m≤10kg: ±5g m>10kg: ±7.5g	m≤5kg: ±5g 5kg<m≤20kg: ±10g m>20kg: ±15g	m≤1kg: ±1g 1kg<m≤4kg: ±2g m>4kg: ±3g	m≤2.5kg: ±2.5g 2.5kg<m≤10kg: ±5g m>10kg: ±7.5g	m≤5kg: ±5g 5kg<m≤20kg: ±10g m>20kg: ±15g
Output	no			RS232		
Operation temperature	-10~40°C					
Power	rechargeable battery (6V/3.2Ah), power adapter (12V/500mA)					
Dimensions of pan	263×204mm					

WEIGHING SCALES (ECONOMIC TYPE)



8003-3

- Unit: g, oz, ct, tl

SPECIFICATION

Code	8003-3	8003-6	8003-10
List Price (₹)	1885	1885	1885
Promotion Price (₹)	1791	1791	1791
Maximum weighing	3kg	6kg	10kg
Minimum weighing	2g	10g	20g
Resolution (d)	0.1g	0.5g	1g
Accuracy	±0.5g	±2.5g	±5g
Weighing pan size	157×157mm		
Operation temperature	5~35°C		
Power supply	2×AAA batteries, power adapter		
Dimension (L×W)	160×225mm		

**ELECTRONIC POCKET SCALE
(ECONOMIC TYPE)**

ATTENTION:
LOW ACCURACY



8601-100

- LCD display, with backlight
- Zero-setting, subtracting tare value, counting
- Overload alarm
- Automatic power off



use of pan

SPECIFICATION

Code	8601-100
List Price (₹)	939
Promotion Price (₹)	798
Maximum weighing	100g
Minimum weighing	0.1g
Resolution (d)	0.01g
Accuracy (m is load)	0.1g ≤ m ≤ 1g: ±0.03g; 1g < m ≤ 30g: ±0.05g 30g < m ≤ 50g: ±0.07g; m > 50g: ±0.14g
Units	g, oz, dwt, ozt
Dimension of pan	55×64mm
Dimension (L×W×H)	108×65×21mm
Operation temperature	-10~40°C
Power supply	2×AAA batteries

**ELECTRONIC POCKET SCALE
(ECONOMIC TYPE)**

ATTENTION:
LOW ACCURACY



8602-200

- LCD display, with backlight
- Zero-setting, subtracting tare value, counting
- Overload alarm
- Automatic power off



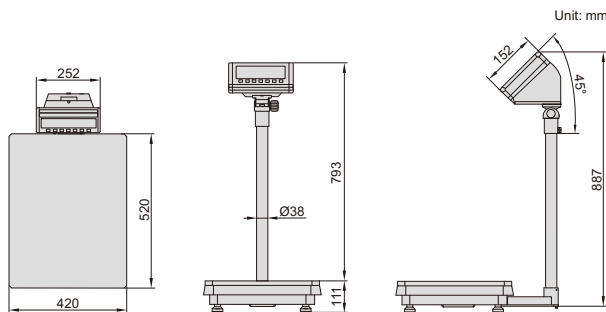
use of pan

SPECIFICATION

Code	8602-200
List Price (₹)	973
Promotion Price (₹)	827
Maximum weighing	200g
Minimum weighing	0.2g
Resolution (d)	0.02g
Accuracy (m is load)	0.2g ≤ m ≤ 2g: ±0.06g; 2g < m ≤ 60g: ±0.1g 60g < m ≤ 100g: ±0.14g; m > 100g: ±0.28g
Units	g, oz, dwt, ozt
Dimension of pan	55×64mm
Dimension (L×W×H)	120×70×17mm
Operation temperature	-10~40°C
Power supply	2×CR2032 batteries

PLATFORM SCALES

DATA
OUTPUT



SPECIFICATION

Code	8501-AL60	8501-AL150	8501-AL300
List Price (₹)	36542	36542	36542
Promotion Price (₹)	33295	33295	33295
Maximum weighing	60kg	150kg	300kg
Minimum weighing	100g	200g	400g
Resolution (d)	5g	10g	20g
Accuracy	±10g	±20g	±30g
Operation temperature	-10~40°C		
Material	platform: stainless steel, base: die-cast aluminum		
Dimension of platform	420×520mm		
Power	rechargeable lead acid battery (6V/4Ah)		
Output	RS232		
Weight	18.3kg		



8501-AL150



printer (optional)

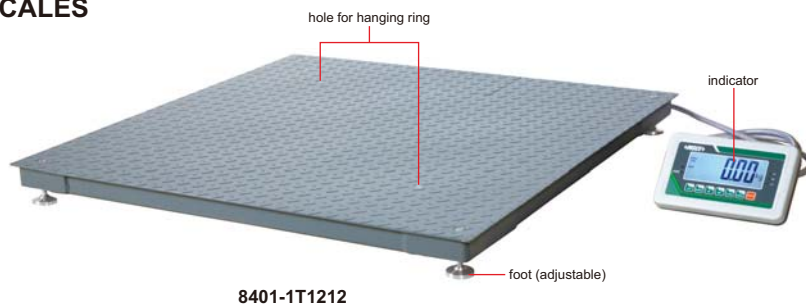
- LCD large screen display with LED backlight
- Weighing, overweight alarm, counting, keyboard lock, accumulating, auto zero and animal scale
- Units: kg, g, lb, oz

OPTIONAL ACCESSORY

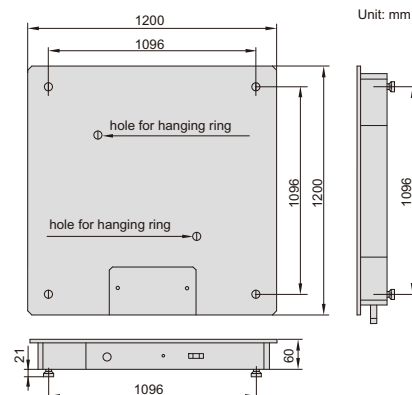
Printer	8001-PRINTER
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FLOOR SCALES

DATA OUTPUT



8401-1T1212



- LCD large screen display with automatic backlight
- Zeroing, overweight alarm, deduction, unit conversion, accumulating, animal scale, etc.
- Units: kg, g, lb, oz
- OIML approved load cell

SPECIFICATION

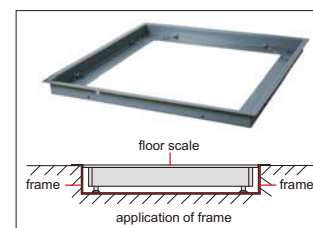
Code	8401-1T1212	8401-2T1212	8401-3T1212
List Price (₹)	90808	90808	90808
Promotion Price (₹)	78594	78594	78594
Maximum weighing	1t	2t	3t
Minimum weighing	10kg	20kg	20kg
Resolution (d)	0.5kg	1kg	1kg
Verification interval (e)	0.5kg	1kg	1kg
Accuracy (m is load)	m≤250kg: ±0.25kg; 250kg<m≤1000kg: ±0.5kg	m≤500kg: ±0.5kg; 500kg<m≤2000kg: ±1kg; m>2000kg: ±1.5kg	
Load cell	4 pcs 350Ω		
Operation temperature	-10~40°C		
Material	mild steel		
Dimension of platform	1200×1200mm		
Power	rechargeable lead acid battery (6V/4Ah)		
Output	RS232		
Weight	140kg		



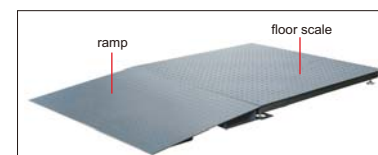
printer (optional)



stand (optional)



frame (optional)



ramp (optional)

STANDARD DELIVERY

Main unit	1 pc
Indicator	1 pc
AC/DC adapter	1 pc
Stainless steel foot	4 pcs
Hanging ring	2 pcs

OPTIONAL ACCESSORY

Ramp	8401-1212-1
Frame	8401-1212-2
Stand	8401-STAND
Printer	8001-PRINTER

ELECTRONIC CRANE SCALES (BASIC TYPE)

SPECIFICATION

Code	8202-50KG	8202-150KG	8202-300KG
List Price (₹)	9363	9363	9363
Promotion Price (₹)	8039	8039	8039
Maximum weighing	50kg	150kg	300kg
Minimum weighing	0.4kg	1.0kg	2.0kg
Resolution (d)	0.02kg/0.01kg	0.05kg/0.02kg	0.10kg/0.05kg
Verification interval (e)	0.02kg	0.05kg	0.10kg
Accuracy	±0.02kg	±0.05kg	±0.10kg
Operation temperature	-10~40°C		
Operation humidity	30%~90% RH		
Overload alarm	100%F.S.+9e		
Maximum safe load	125%F.S.		
Limited overload	400%F.S.		
Power supply	4×1.5V AA batteries (for 40 hours working)		
Stable reading time	≤8s		

STANDARD DELIVERY

Main unit	1 pc
Remote controller	1 pc

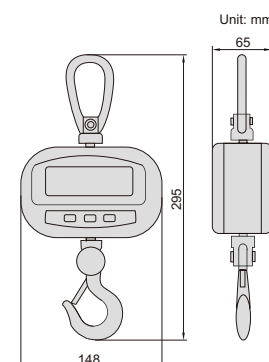


8202-150KG



Remote controller (included)

- LED display, remote control
- Low voltage indicator
- Unit: kg, lb
- Automatic power off
- Overload alarm
- 360° safe rotary hook and shackle
- Plastic case



Unit: mm

ELECTRONIC CRANE SCALES

IP65
WATERPROOF

- Dust/waterproof level: IP65
- LED display, remote control
- Low voltage indicator
- Unit: kg, lb
- Automatic power off
- Overload alarm
- 360° safe rotary hook and shackle
- Aluminum alloy die casting case with high strength

SPECIFICATION

Code	8201-50KG	8201-150KG	8201-300KG
List Price (₹)	16464	16464	16464
Promotion Price (₹)	14135	14135	14135
Maximum weighing	50kg	150kg	300kg
Minimum weighing	0.4kg	1.0kg	2.0kg
Resolution (d)	0.02kg/0.01kg	0.05kg/0.02kg	0.10kg/0.05kg
Verification interval (e)	0.02kg	0.05kg	0.10kg
Accuracy	±0.02kg	±0.05kg	±0.10kg
Operation temperature	-10~40°C		
Operation humidity	30%~90% RH		
Overload alarm	100%F.S.+9e		
Maximum safe load	125%F.S.		
Limited overload	400%F.S.		
Power supply	rechargeable battery 6V/3Ah (for 40 hours working)		
Stable reading time	≤8s		

STANDARD DELIVERY

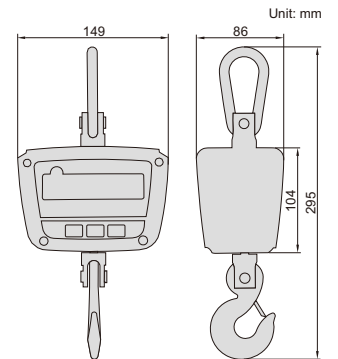
Main unit	1 pc
Remote controller	1 pc
Battery charger	1 pc



8201-150KG



Remote controller (included)



MOISTURE ANALYZERS

DATA
OUTPUT

- LCD screen
- High sensitivity temperature and humidity sensor
- Ring halogen lamp heating evenly, shorten drying time



SPECIFICATION

Code	8701-RM20	8701-RM30	8701-RM40	
List Price (₹)	56750	107285	148902	
Promotion Price (₹)	51075	96557	134012	
Maximum weighing	120g	120g	120g	
Resolution (d)	5mg	1mg	0.1mg	
Accuracy for moisture	sample<10g	±10%	±0.5%	±0.2%
	sample≥10g	±5%	±0.3%	±0.1%
Operation temperature	13~25°C			
Verification interval	2.5s			
Warm-up time	20~30 minutes			
Weighing pan size	Ø90mm			
Heating source	halogen lamp (450W)			
Range for heating temperature	60~200°C			
Heating time setting	0~99 minutes			
Heating mode	standard heating, step heating, rapid heating			
Shutdown mode	automatic shutdown, manual shutdown, timed shutdown			
Output	RS232C			
Power supply	220V, 50/60Hz			
Dimension (L×W×H)	330×210×340mm			

STANDARD DELIVERY

Main unit	1 pc
Weight	1 pc

OPTIONAL ACCESSORY

RS232 cable	8304-CABLE*
Printer	8303-PRINTER

*Used to connect with computers



8701-RM40



calibration weight (included)



VIDEO

WEIGHT SETS

- Supplied with manufacturer inspection certificate



8910-200GF1

CLASS AND MATERIAL

Specification	Code								
	E2 (non-magnetic stainless steel)	List Price (₹)	Promotion Price (₹)	F1 (non-magnetic stainless steel)	List Price (₹)	Promotion Price (₹)	F1 (304 stainless steel)	List Price (₹)	Promotion Price (₹)
1mg~100g	8910-100GE2	50744	49729	8910-100GF1	26566	26035	8910-100GF1S	10914	10696
1mg~200g	8910-200GE2	63142	61248	8910-200GF1	35864	34788	8910-200GF1S	15562	15095
1mg~1kg	8910-1KGE2	98787	95823	8910-1KGF1	53687	52076	8910-1KGF1S	24860	24114
1mg~2kg	8910-2KGE2	166981	161972	8910-2KGF1	84684	82143	8910-2KGF1S	40358	39147
1mg~5kg	8910-5KGE2	228975	222106	8910-5KGF1	115682	112212	8910-5KGF1S	57408	55686

Specification	Code					
	F2 (304 stainless steel)	List Price (₹)	Promotion Price (₹)	M1 (304 stainless steel)	List Price (₹)	Promotion Price (₹)
1mg~100g	8910-100GF2	7814	7658	8910-100GM1	6264	6139
1mg~200g	8910-200GF2	10292	9983	8910-200GM1	8588	8330
1mg~1kg	8910-1KGF2	17113	16600	8910-1KGM1	14013	13593
1mg~2kg	8910-2KGF2	29511	28626	8910-2KGM1	24086	23363
1mg~5kg	8910-5KGF2	41909	40652	8910-5KGM1	35709	34638

SPECIFICATION AND SHAPE

Weight	Specification				
	1mg~100g	1mg~200g	1mg~1kg	1mg~2kg	1mg~5kg
1mg	●	●	●	●	●
2mg	● ●*	● ●*	● ●*	● ●*	● ●*
5mg	●	●	●	●	●
10mg	●	●	●	●	●
20mg	● ●*	● ●*	● ●*	● ●*	● ●*
50mg	●	●	●	●	●
100mg	●	●	●	●	●
200mg	● ●*	● ●*	● ●*	● ●*	● ●*
500mg	●	●	●	●	●
1g	■	■	■	■	■
2g	■ ■*	■ ■*	■ ■*	■ ■*	■ ■*
5g	■	■	■	■	■
10g	■	■	■	■	■
20g	■ ■*	■ ■*	■ ■*	■ ■*	■ ■*
50g	■	■	■	■	■
100g	■	■	■	■	■
200g		■ ■*	■ ■*	■ ■*	■ ■*
500g			■	■	■
1kg			■	■	■
2kg				■ ■*	■ ■*
5kg					■
Quantity	21 pcs	23 pcs	25 pcs	27 pcs	28 pcs
Total range	1mg~211.11g	1mg~611.11g	1mg~2111.11g	1mg~6111.11g	1mg~11111.11g

● sheet

■ cylinder

●* sheet, with mark

■* cylinder, with mark

CODE NO. INDEX

CODE	PAGE	CODE	PAGE	CODE	PAGE	CODE	PAGE
00		1142.....	25	1229.....	23	2168.....	93
0010.....	214	1143.....	26	1233.....	10	2170.....	141
0020.....	205	1144.....	26	1238.....	10	2171.....	104
01		1145.....	28	1239.....	11	2172.....	106
0110.....	213	1146.....	34	1240.....	27	2173.....	140
0120.....	212	1147.....	25	1244.....	28	2174.....	104
0130.....	215	1148.....	26	1250.....	34	2175.....	140
0131.....	215	1149.....	25	1251.....	34	2176.....	104
02		1150.....	32	1253.....	34	2179.....	141
0210.....	200	1151.....	33	1262.....	17	2183.....	64
0213.....	201	1154.....	33	1267.....	66	2188.....	64
03		1155.....	31	1273.....	22	2189.....	93
0310.....	203	1156.....	32	1275.....	130	2197.....	63
0311.....	201	1157.....	31	1281.....	23	2198.....	141
0312.....	203	1160.....	120	1291.....	18	22	
0313.....	202	1161.....	21	13		2222.....	88
0320.....	202	1165.....	22	1311.....	9	2223.....	88
04		1166.....	131	1312.....	9	2275.....	108
0411.....	210	1169.....	19	1340.....	27	2276.....	129
0431.....	210	1170.....	8	1351.....	33	2278.....	129
05		1171.....	9	15		2280.....	108
0501.....	216	1172.....	22	1501.....	64	2281.....	129
11		1176.....	17	1520.....	17	2282.....	129
1103.....	7	1177.....	20	1524.....	20	23	
1106.....	12	1178.....	18	1525.....	21	2301.....	75
1108.....	7	1180.....	66	1526.....	13~14	2302.....	76
1110.....	8	1181.....	23	1530.....	15	2309.....	77
1111.....	9	1183.....	19	1537.....	66	2310.....	76
1112.....	7	1185.....	19	1539.....	22	2311.....	75
1113.....	6	1186.....	21	21		2313.....	75
1114.....	7	1187.....	19	2103.....	71	2314.....	76
1115.....	6	1188.....	20	2104.....	71	2316.....	77
1119.....	8	1189.....	64	2108.....	73	2321.....	88
1120.....	17	1191.....	18	2112.....	70	2322.....	58
1121.....	17	1192.....	20	2114.....	72	2324.....	76
1122.....	21	1196.....	8	2115.....	72	2332.....	89
1124.....	15	1199.....	18	2117.....	73	2333.....	89
1125.....	16	12		2133.....	74	2341.....	28
1126.....	6	1201.....	9	2138.....	72	2342.....	28
1130.....	8	1205.....	10	2139.....	72	2344.....	191
1135.....	12	1214.....	13	2140.....	75	2361.....	90
1136.....	12	1215.....	13	2141.....	29	2363.....	90
1139.....	9	1217.....	10	2149.....	74	2364.....	89
1140.....	27	1223.....	10	2164.....	93	2365.....	90
1141.....	25	1224.....	11	2166.....	92	2367.....	91



CODE NO. INDEX

CODE	PAGE
2372.....	105
2374.....	105
2380.....	68
2381.....	68
2383.....	68
2385.....	136
2386.....	69
2398.....	68
2399.....	69
24	
2480.....	69
27	
2710.....	91
2711.....	88
2715.....	63
2716.....	62
2771.....	106
28	
2801.....	76
2824.....	59
2825.....	58
2827.....	59
2828.....	59
2840.....	137
2852.....	58
2853.....	57
2862.....	91
2863.....	91
2866.....	91
2870.....	91
2871.....	89
2872.....	89
2873.....	91
2877.....	90
2878.....	92
2879.....	90
29	
2931.....	36
31	
3101.....	42
3108.....	43
3109.....	43
3127.....	56-57
3128.....	57
32	

CODE	PAGE
3203.....	44
3205.....	45
3206.....	45
3210.....	44
3220.....	54
3221.....	54
3222.....	55
3227.....	55-56
3230.....	48
3232.....	49
3233.....	49
3236.....	45
3238.....	50
3240.....	29
3241.....	29
3260.....	49
3261.....	49
3263.....	51
3266.....	49
3281.....	47
3282.....	50
3283.....	50
3285.....	52
3287.....	47
3291.....	48
33	
3331.....	46
3332.....	46
3334.....	92
3350.....	41
3353.....	51
3358.....	42
34	
3400.....	44
35	
3506.....	46
3520.....	54
3540.....	29
3581.....	48
3594.....	50
40	
4006.....	135
41	
4100.....	95
4101.....	96

CODE	PAGE
4105.....	95
4110.....	97
4118.....	98
4120.....	102
4124.....	100-101
4130.....	102
4141.....	106
4147.....	108
4160.....	97
4166.....	98
4176.....	96
4180.....	109
4190.....	100
4191.....	109
42	
4206.....	60
4208.....	60
4209.....	60
46	
4601.....	115
4602.....	115
4605.....	115
4621.....	116
4630.....	120
4676.....	101
47	
4700.....	108
4707.....	107
4721.....	112
4725.....	111
4726.....	111
4728.....	112
4745.....	108
4770.....	107
4780.....	104
4781.....	105
4782.....	112
4786.....	112
4789.....	111
4790.....	107
4791.....	107
4797.....	105
4799.....	105
48	
4801.....	118

CODE	PAGE
4803.....	119
4804.....	118
4806.....	117
4807.....	117
4808.....	119
4809.....	119
4810.....	117
4812.....	117
4820.....	116
4824.....	116
4829.....	128
4830.....	121
4831.....	121
4832.....	122
4833.....	120
4834.....	122
4835.....	123
4836.....	122
4837.....	120
4838.....	123
4839.....	125
4840.....	124
4841.....	125
4842.....	118
4843.....	118
4844.....	66
4845.....	191
4846.....	125
4847.....	122
4848.....	122
4849.....	124
4850.....	124
4851.....	123
4852.....	121
4853.....	119
4854.....	118
4855.....	121
4865.....	93
49	
4902.....	142
4903.....	142
4910.....	142
4911.....	143
4912.....	143
4913.....	143

CODE NO. INDEX

CODE	PAGE	CODE	PAGE	CODE	PAGE	CODE	PAGE
4914.....	144	6202.....	84	6832.....	124	7232.....	131
4917.....	145	6207.....	84	6841.....	86	7260.....	126
4918.....	144	6208.....	83	6843.....	38	7261.....	126
4920.....	144	6210.....	82	6844.....	37	7262.....	126
4921.....	143	6211.....	84	6845.....	86	73	
4922.....	143	6216.....	84	6846.....	86	7302.....	4
4923.....	144	6219.....	83	6847.....	38	7315.....	2~3
50		6221.....	83	6852.....	109	7331.....	79
5042.....	131	6224.....	83	6876.....	85	7342.....	98
5064.....	126	6225.....	85	6878.....	134	7353.....	60
5071.....	126	6226.....	85	6879.....	134	7360.....	74
5072.....	126	6227.....	85	6886.....	97	7391.....	48
51		6228.....	83	6890.....	133	7394.....	47
5103.....	176	6229.....	82	69		75	
5106.....	177	6230.....	84	6990.....	131	7511.....	180
5108.....	175	6272.....	83	71		7512.....	182
52		6282.....	77~78	7101.....	148	7513.....	181
5201.....	212	6291.....	81	7102.....	149	7514.....	181
53		6293.....	81	7106.....	80	7515.....	181
5302.....	165	6294.....	81	7107-1.....	80	7516.....	180
5305.....	178	6295.....	81	7107-11.....	79	7517.....	179
5307.....	170	6296.....	81	7107-12.....	79	7518.....	182
5309.....	171	6297.....	81	7107-2.....	80	7520.....	179
5311.....	172	63		7110.....	128	7521.....	179
5313.....	166	6300.....	52	7114.....	60	7522.....	182
5316.....	168	6301.....	52	7118.....	109	7523.....	182
5317.....	168~169	6312.....	99	7119.....	128	7524.....	181
5318.....	166	6381.....	52	7120.....	130	7525.....	180
57		65		7123.....	128	7527.....	181
5700.....	192	6520.....	135	7130.....	79	76	
5701.....	193	6526.....	135	7139.....	127	7600.....	212
5702.....	191	6531.....	134	7144.....	127	80	
58		6533.....	134	7145.....	127	8001.....	258
5801.....	211	6556.....	138	7146.....	127	8002.....	257
59		6557.....	138	7160.....	183	8003.....	258
5900.....	216	6558.....	138	7161.....	183	81	
61		6562.....	136	7162.....	183	8101.....	258
6140.....	11	6566.....	136	7163.....	183	82	
6141.....	27	6567.....	137	7164.....	183	8201.....	261
6143.....	19	6568.....	137	72		8202.....	260
6144.....	11	6582.....	135	7202.....	130	83	
6145.....	12	6584.....	136	7203.....	130	8301.....	257
62		68		7205.....	130	8303.....	256
6200.....	84	6801.....	133	7230.....	131	8304.....	256
6201.....	84	6805.....	133	7231.....	131	84	



CODE NO. INDEX

CODE	PAGE
8401.....	260
85	
8501.....	259
86	
8601.....	259
8602.....	259
87	
8701.....	261
89	
8910.....	262
91	
9132.....	200
92	
9216.....	206
9223.....	204
9224.....	203
9225.....	204
9241.....	205
9242.....	206
9243.....	208
9246.....	207
9247.....	207
93	
9315.....	208
9331.....	213
9341.....	212
9351.....	214
9353.....	214
9362.....	202
94	
9407.....	150~151
9408.....	149
95	
9501.....	189
9561.....	209
97	
9720.....	205
9721.....	209
9722.....	209
9723.....	209
DSW	
DSW-A010.....	211
GRL	
GRL-L340.....	145
HDT	

CODE	PAGE
HDT-B-□□□.....	240~241
HDT-BRV130.....	231
HDT-CB320.....	232~233
HDT-L410.....	236
HDT-L411.....	237
HDT-LP200.....	234
HDT-MV290.....	228
HDT-MV290S.....	228
HDT-RA151.....	227
HDT-RW160.....	227
HDT-VD50A.....	229
HDT-WL320.....	232~233
HDT-WP201.....	235
ISD	
ISD-V150A.....	159~160
ISD-V220CNCA.....	160~161
ISD-V250A.....	159~160
ISD-V300A.....	159~160
ISD-VMM205D.....	164~165
ISE	
ISE-2DT.....	140
ISF	
ISF-1DF□□□.....	245
ISF-F□□□.....	246
ISF-MT1K.....	245
ISF-MT500.....	246
ISF-P30A.....	246
ISF-P30D.....	246
ISF-S□□□.....	244
ISF-TG□□□.....	246
ISGF	
ISGF-0901.....	131
ISHB	
ISHB-B300.....	238
ISHB-D200.....	230
ISHB-H131.....	238
ISHB-M100.....	229
ISH	
ISH-BRV.....	232
ISH-DSA.....	239
ISH-DSD.....	239
ISH-DSOO.....	239
ISH-DS-STANDA.....	239
ISH-MRD200.....	225
ISH-RD200.....	226

CODE	PAGE
ISH-RSR400.....	224
ISH-SAM.....	239
ISH-SDM.....	239
ISH-STAC.....	240
ISH-STD.....	240
ISHR	
ISHR-P151.....	237
ISHW	
ISHW-L20.....	238
ISL	
ISL-B5-□□□.....	147
ISL-DR2.....	147
ISL-DR3.....	147
ISL-SET1.....	148
ISM	
ISM-CT820.....	170
ISM-DL301.....	167
ISM-PM100.....	179
ISM-PM200SA.....	173
ISM-WF200.....	174
ISM-ZS100T.....	176
ISM-ZS30.....	178
ISM-ZS50.....	177
ISO	
ISO-1000FN.....	190
ISO-1200FN.....	190
ISO-8000FN.....	188
ISP	
ISP-Z3015.....	157
ISQ	
ISQ-DG6.....	192
ISQ-DRM31.....	211
ISQ-PK100.....	194
ISQ-RM30.....	211
ISR	
ISR-C002.....	219
ISR-C003.....	222
ISR-C300.....	220~221
ISR-T120.....	221~222
IST	
IST-04□□□.....	248
IST-11WM□□□.....	252~253
IST-15W□□□.....	251
IST-19WM□□□.....	254
IST-2W□□□.....	249~250

CODE	PAGE
IST-9WM□□□.....	252
IST-DW□□□.....	254
IST-MG□□□.....	248
IST-W□□□.....	249
ISU	
ISU-100D.....	199
ISU-250C.....	199
ISV	
ISV-E30.....	186
ISV-E40.....	186
ISV-K□□□.....	184
ISV-P6.....	185
ISV-S106.....	185
ISV-T105.....	185
ISY	
ISY-100.....	152~153
ISY-200.....	152
ISY-600.....	154
ISY-700.....	162
LDM	
LDM-030.....	151
PHT	
PHT-C751.....	194
PPF	
PPF-BF62.....	196
QMS	
QMS-A110.....	158
QMY	
QMY-AP32.....	195
SPM	
SPM-1000.....	218
SPT	
SPT-AD21.....	195
THD	
THD-PF34.....	196
TLP	
TLP-300H.....	156
UTM	
UTM-E50.....	243



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