

Dial Gauges



■ Features

- Swiss style precision gear module design, accurate display, hardened aluminum alloy housing, assuring durability and reliability.
- Standard steel test tip \varnothing 3.175mm, hardened stainless steel spindle \varnothing 5mm h6, stem diameter \varnothing 8mm h6, thread M2.5-6g, for all brands of metric models.
- Shock protection structural design between spindles and stems; preventing shock waves from traveling to bearings and gears, hence insure durability.
- Gear module movement bearings are made with ruby, which is wear resistant, durable, anti-corrosive, and non-magnetic. Improve measuring repeatability.

■ Standard Components

1. Bezel locking knob

For locking bezel positions to avoid adjustment error and for convenient zero setting.

2. Tolerance Limiter

Setting tolerance limits for fast test result readings.

3. Dual color bezels

Both positive and negative measuring, dual color design for easy reading.

4. Lifting cap

Lift the plunger to prevent touching the spindle which causes error with temperature.

5. Indicator back lug

\varnothing 5mm lug, for attaching to mechanical assembly or magnetic bases.

6. Calibration report

All indicators pass the accuracy test according to German DIN, ISO and Japan JIS international standards. JCC certificate included.



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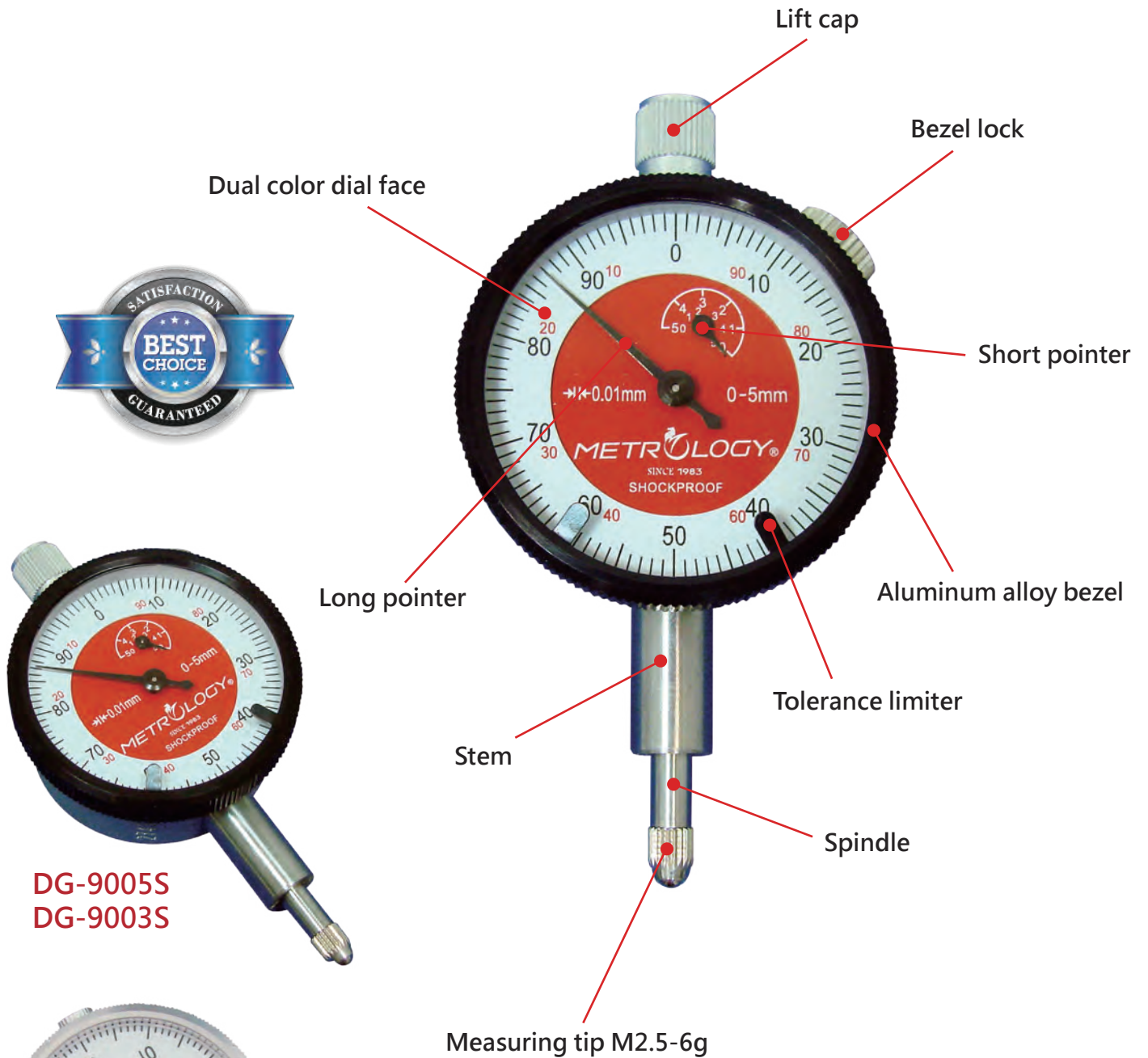
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■ Dial Gauge (Small Bezel)

For measuring dimension of workpieces attached to machine table or setting gauge for measuring movement positions and distances.



DG-9005S
DG-9003S

DG-9004S

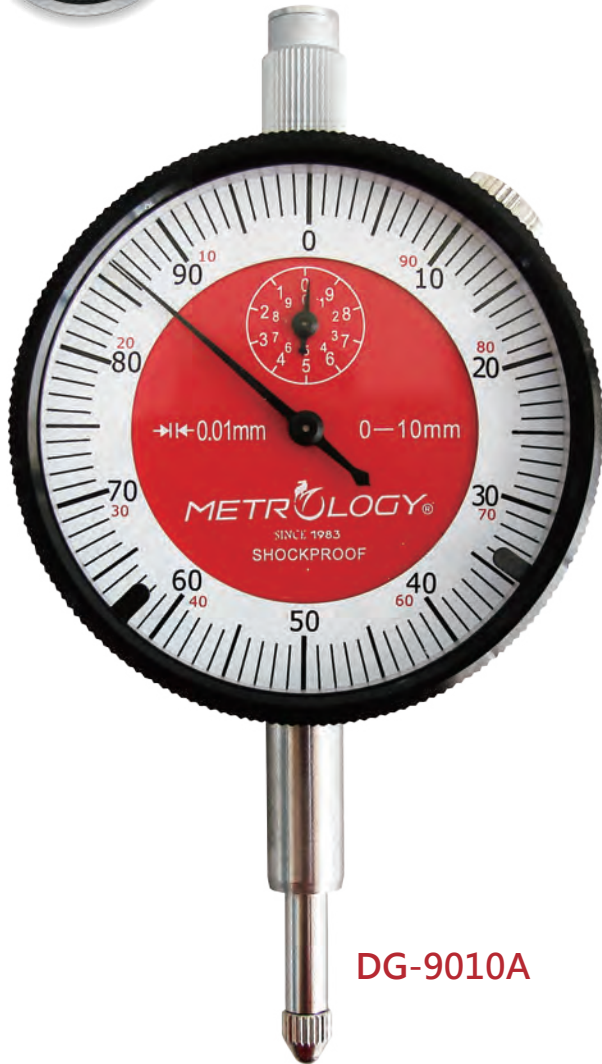
Model No.	Measuring Range	Accuracy	Remark
DG-9003S	0-3mm	10um	Φ 40mm
DG-9004S	0-4mm	12um	Φ 36mm
DG-9005S	0-5mm	12um	Φ 40mm

Remark: Aluminum body, shockproof.

Graduation : 0.01mm

■ Dial Gauge (Standard)

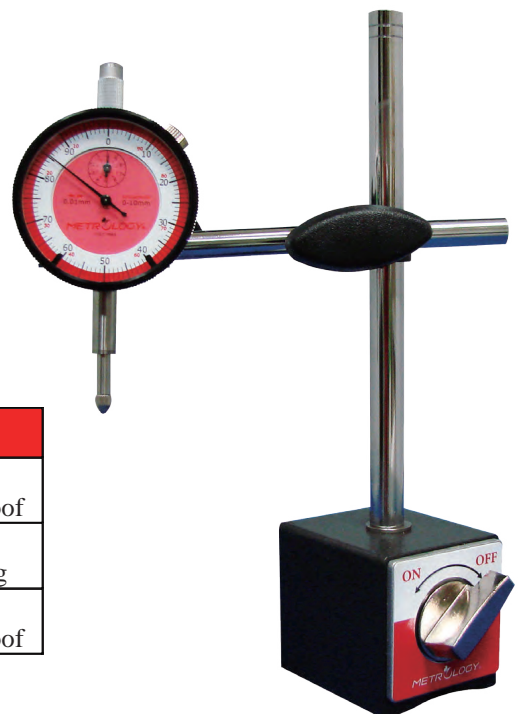
For measuring depth, thickness, height, length, and steps.



DG-9010A



DG-9010R



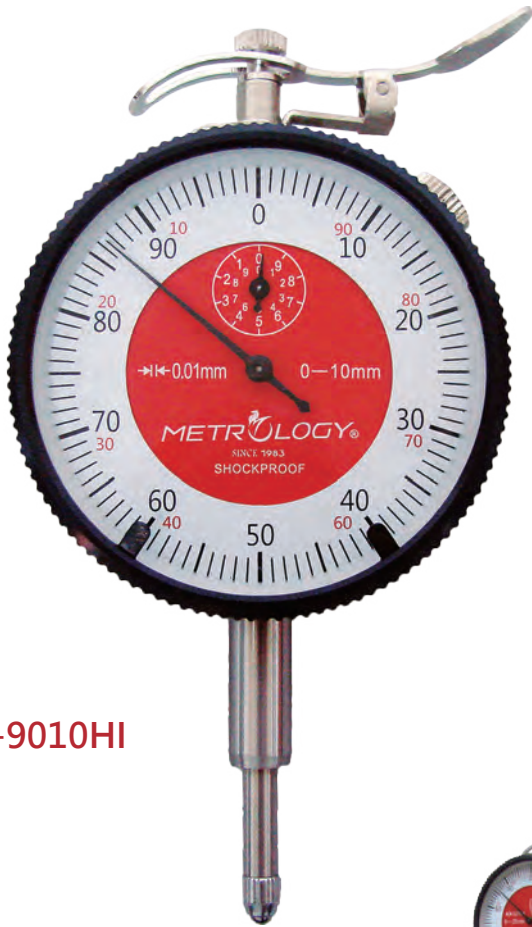
MS-N80K

Model No.	Measuring Range	Accuracy	Remark
DG-9010A	0-10mm	15um	Φ 55mm Aluminum body, shockproof
DG-9010R	0-10mm	15um	Φ 58mm Steel body, Jeweled bearing
DG-9020A	0-20mm	20um	Φ 60mm Aluminum body, shockproof

Graduation : 0.01mm

■ Dial Gauge (Hoist Type)

Suitable for pairing up with mechanical device and measuring stands to measure depth, thickness, height, steps, and length.



DG-9010HI



DG-9025HI

Granite measuring stand
GN-MS2015N

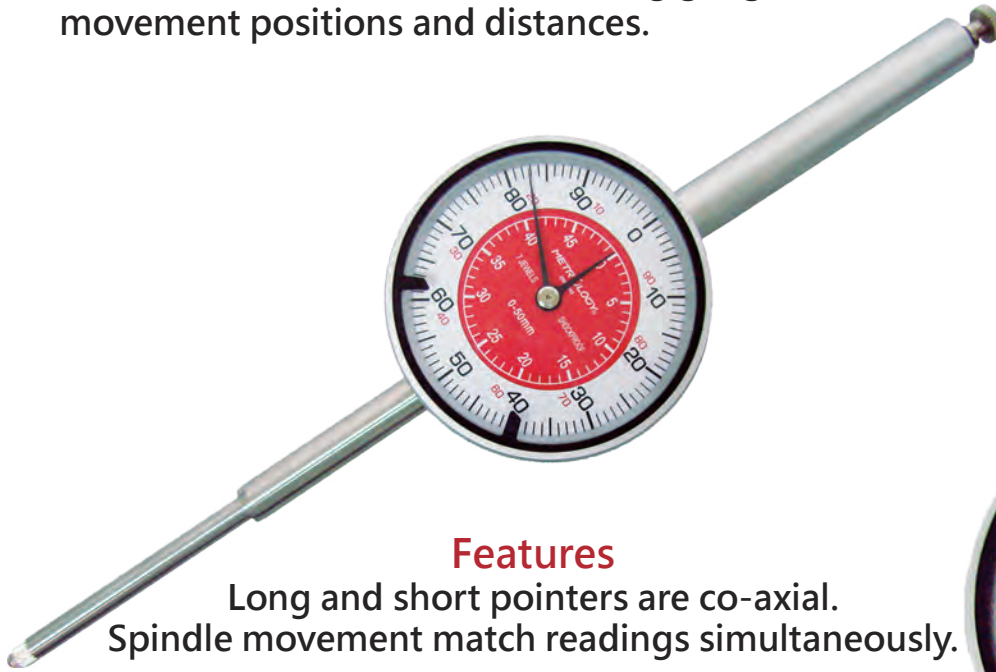


Model No.	Measuring Range	Accuracy	Remark
DG-9010HI	0-10mm	15um	Φ 60mm Aluminum body, shockproof, with hoist install.
DG-9025HI	0-25mm	20um	

Graduation : 0.01mm

■ Dial Gauge (Long Travel)

Suitable for pairing up with measuring stands to measure depth, thickness, height, steps, and length. Attached to machine table or setting gauge for measuring movement positions and distances.



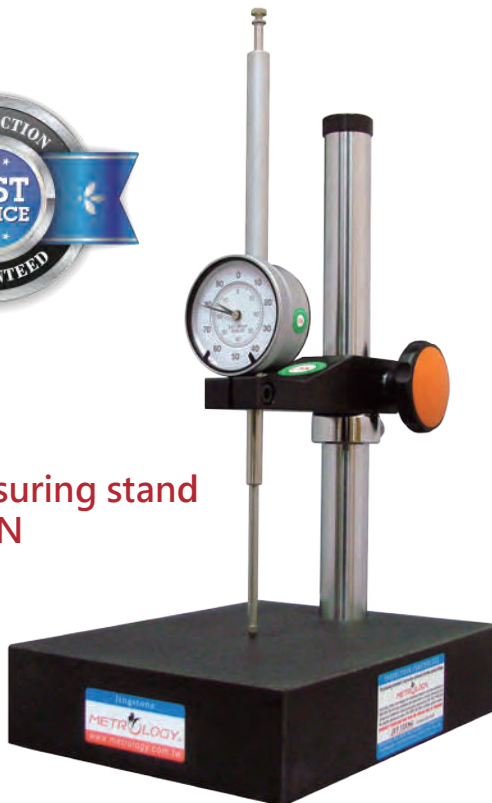
Features

Long and short pointers are co-axial. Spindle movement match readings simultaneously.



DG-9050

Granite measuring stand GN-MS2015N



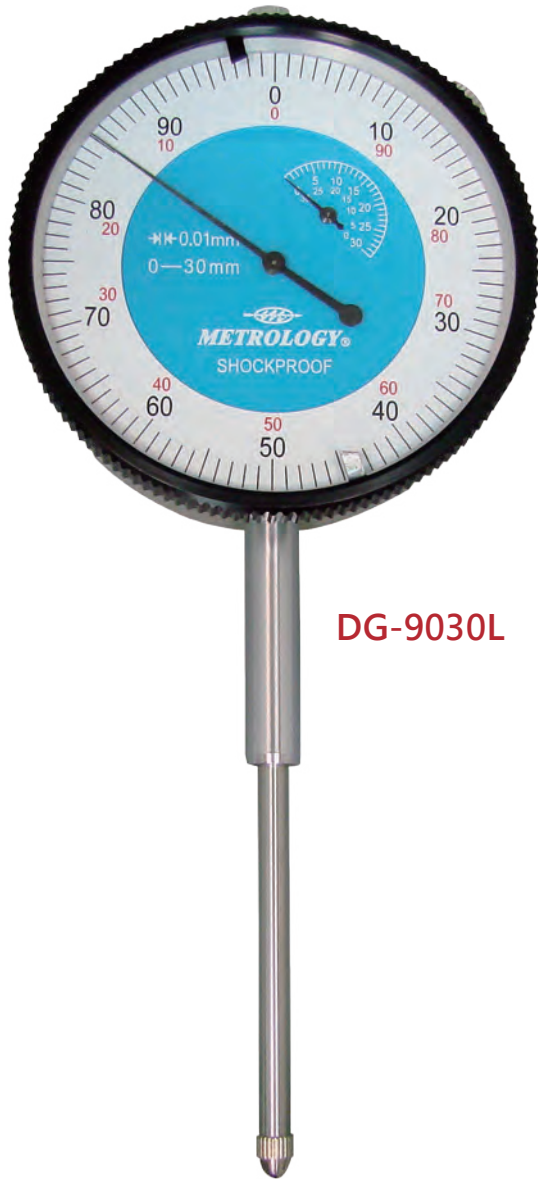
Model No.	Measuring Range	Accuracy	Remark
DG-9030	0-30mm	20um	Φ 58mm Steel body, Jeweled bearing.
DG-9050	0-50mm	25um	
DG-9080	0-80mm	30um	

Graduation : 0.01mm

■ Dial Gauge (Long Travel & Large Bezel)

Suitable for pairing up with measuring stands to measure depth, thickness, height, steps, and length.

Attached to machine table or setting gauge for measuring movement positions and distances.



DG-9030L



DG-9050L

Model No.	Measuring Range	Accuracy	Remark
DG-9030L	0-30mm	20um	Φ 76mm Aluminum body, shockproof.
DG-9050L	0-50mm	25um	
DG-9100L	0-100mm	40um	Φ 78mm Steel body, Jeweled bearing.

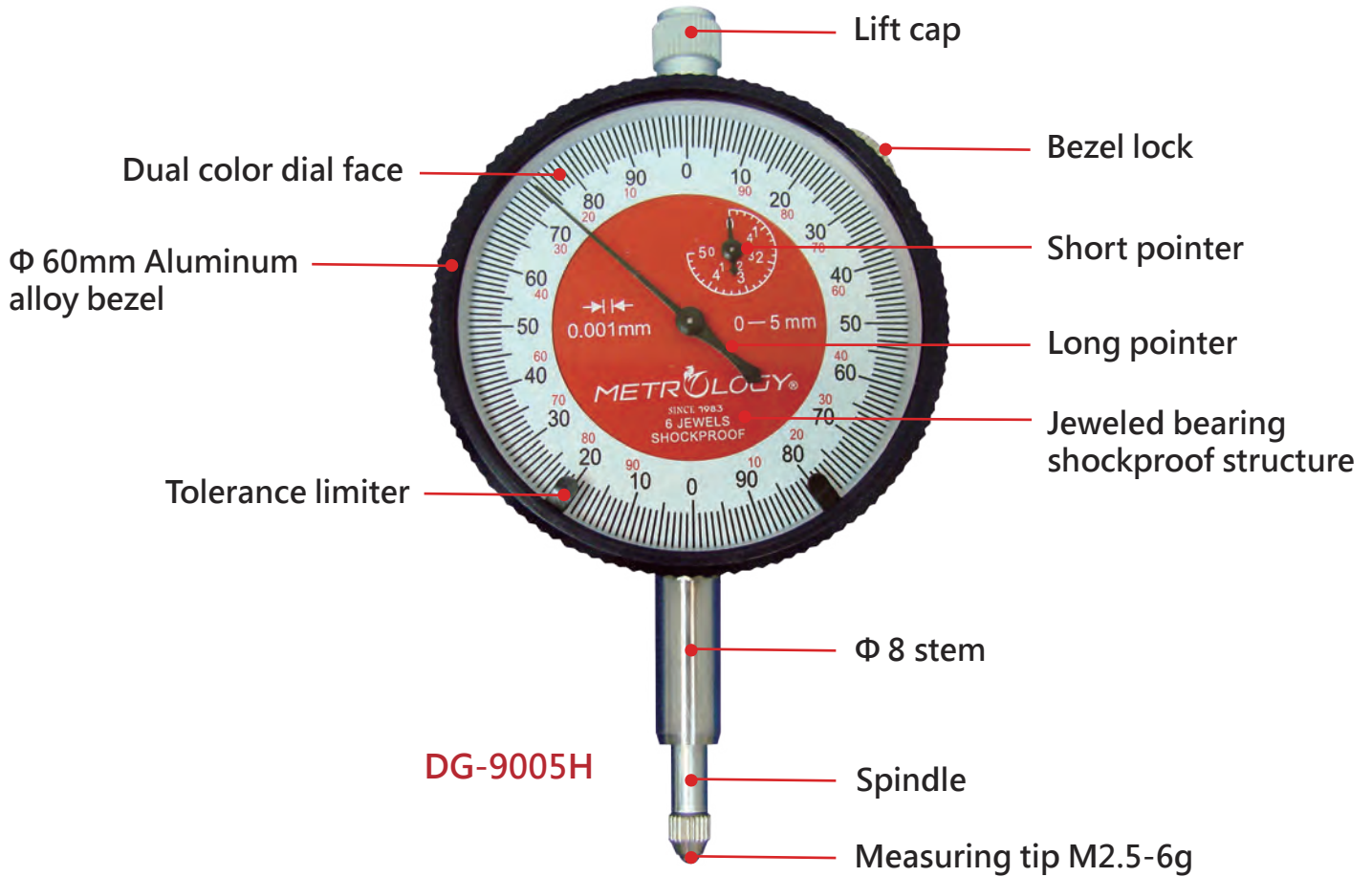
Graduation : 0.01mm

Granite measuring stand
GN-MS2015F



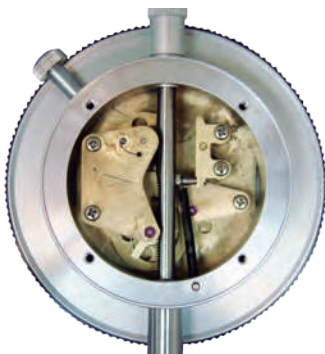
■ Dial Gauge (Micro)

For measuring depth, thickness, height, geometric error, and high precision comparison measurement.



Model No.	Measuring Range	Accuracy	Remark
DG-9001H	0-1mm	4um	Φ 60mm Aluminum body, Jeweled bearing, shockproof. 1 revolution : 0.2mm scale : 0-100-0
DG-9003H	0-3mm	8um	
DG-9005H	0-5mm	12um	

Graduation : 0.001mm



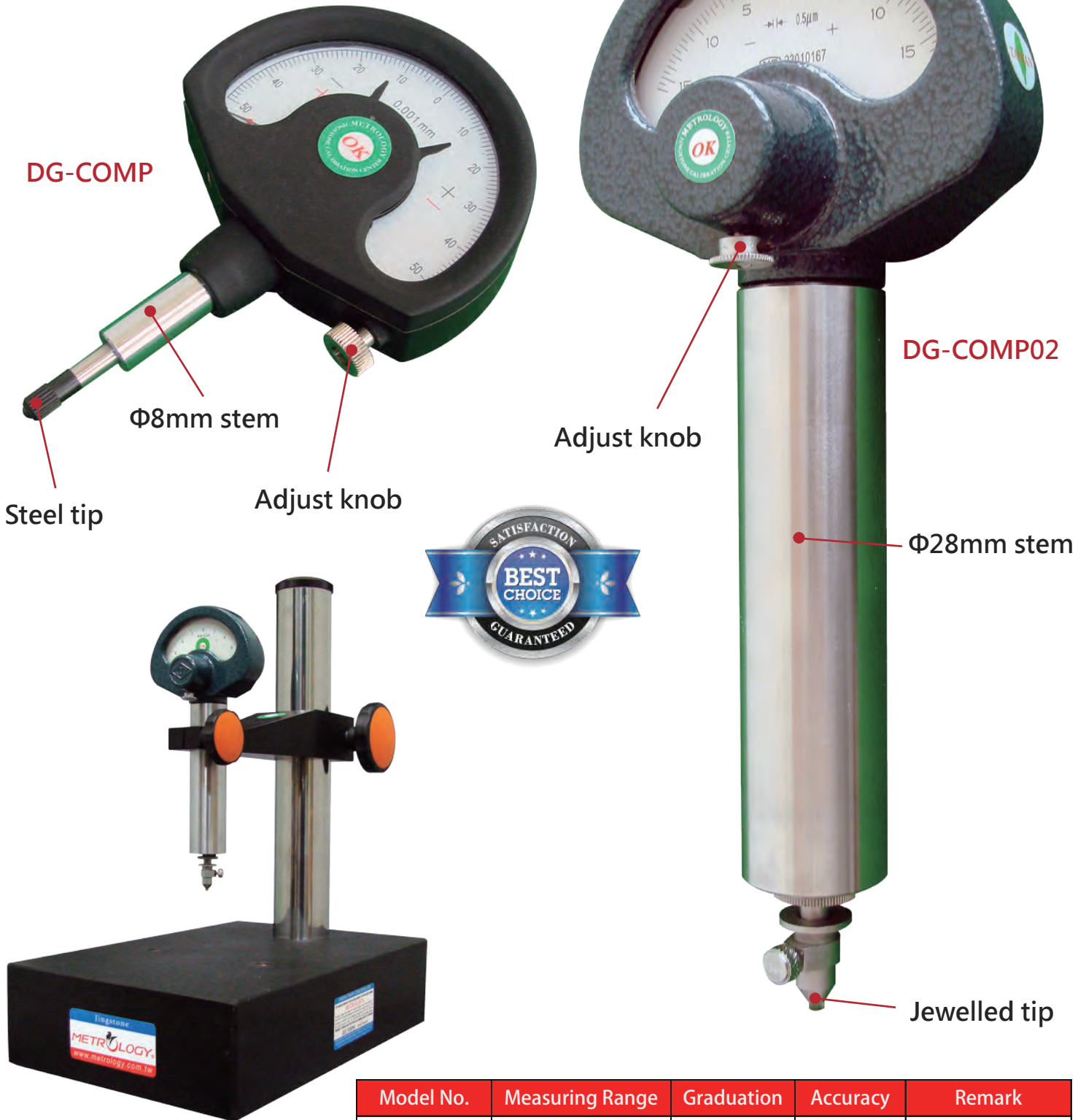
Features

- Spindle and stem are precision made with minimum backlash.
- Movements and bearings are made with ruby material, assuring precise transmission.
- Shock protection design prevents vibration traveling through spindle.



■ Dial Gauge (High Accuracy Comparison)

Suitable for geometric tolerance and high accuracy comparison measurements.



Model No.	Measuring Range	Graduation	Accuracy	Remark
DG-COMP	±0.05mm	0.001mm	2um	Stem Φ 8mm 、 Jeweled bearing
DG-COMP02	±0.006mm	0.0002mm	0.5um	Stem Φ 28mm 、 Jeweled bearing

■ Digital Dial Gauge (Standard)

Suitable for pairing up with measuring stands to measure depth, thickness, height, steps, and length. Attached to machine table or setting gauge for measuring movement positions and distances.



ED-9010



Granite measuring stand
GN-MS2015N

Model No.	Measuring Range	Accuracy	Remark
ED-9010	0-12.7mm / 0.5"	20um	Φ 56mm
ED-9025	0-25mm/ 1"	30um	Aluminum body

Resolution : 0.01mm / 0.0005"

■ Digital Dial Gauge (Micro & Small Bezel)

Attached to machine table or setting gauge for measuring movement positions and distances.

Attached to small bore gauge or cylinder gauge for direct and indirect measurement of holes.



Rotatable



ED-9007H



Application of Small bore gauge



Rotatable



ED-9007HW

Waterproof Cover

Buttons Functions

- mm/inch : imperial/ metric conversion
- TOL : limit tolerance setting
- M : display hold
- ABS : absolute& increment value conversion
- ON/O : on/off switch/zero setting

Model No.	Measuring Range	Accuracy	Remark
ED-9007H	0-6.5mm	3um	Φ 40mm Aluminum body
ED-9007HW			Φ 40mm Aluminum body Waterproof

Resolution : 0.001mm / 0.00005"

■ Digital Dial Gauge (Normal Micro)

Attached to machine table or setting gauge for measuring movement positions and distances. Attached to small bore gauge or cylinder gauge for direct and indirect measurement of holes.

Buttons Functions

in/mm : imperial/ metric conversion

ZERO : set zero at any position.

ON/OFF : on/off switch



Model No.	Measuring Range	Accuracy	Remark
ED-9013HN	0-12.7mm / 0.5"	12um	Φ56 mm, Aluminum body

Resolution : 0.001mm / 0.00005"

■ Digital Dial Gauge (Micro)

Suitable for pairing up with measuring stands to measure depth, thickness, height, steps, and length. Attached to machine table or setting gauge for measuring movement positions and distances. Attached to small bore gauge or cylinder gauge for direct and indirect measurement of holes.

Buttons Functions

ZERO/ABS : set zero at any position

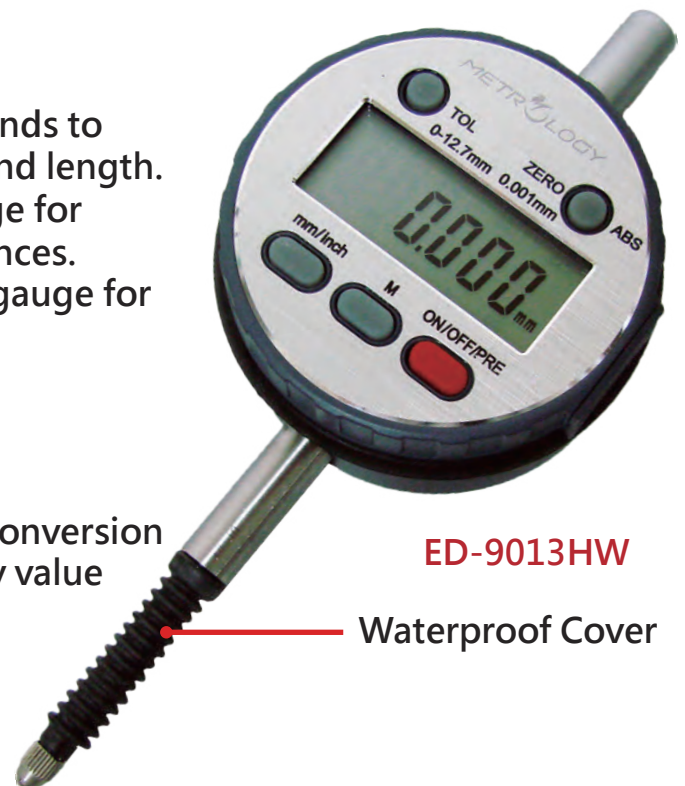
/absolute& increment value conversion

ON/OFF/PRE : on/off switch/to set display value

mm/inch : imperial/ metric conversion

TOL : limit tolerance setting

M : display hold



ED-9013HW

Waterproof Cover

Model No.	Measuring Range	Accuracy	Remark
ED-9013H	0-12.7mm / 0.5"	5um	Φ 56mm, Aluminum body
ED-9013HW			Φ 56mm, Aluminum body Waterproof

Resolution : 0.001mm / 0.00005"



■ Digital Dial Gauge

Suitable for pairing up with measuring stands to measure depth, thickness, height, steps, and length. Attached to machine table or setting gauge for measuring movement positions and distances.

ED-9012H

Optional accessories :
data output cable (DO-B+C04)

Buttons Functions
ON/OFF : on/off switch
PRESET : to set display value
in/mm : imperial/ metric conversion
ORIGIN : absolute zero

Optional accessories :
Bluetooth data transmission device (DO-W2-RS)

■ Digital Dial Gauge (Horizontal)

Model No.	Measuring Range	Resolution	Accuracy
ED-9013HH	0-12.7mm / 0.5"	0.001mm	4um
ED-9030HH	0-30mm / 1.2"	0.00005"	5um



■ Digital Dial Gauge

Suitable for pairing up with measuring stands to measure depth, thickness, height, steps, and length. Attached to machine table or setting gauge for measuring movement positions and distances.



Measuring spindle
pull rod (optional)

ED-9012H

pull rod model No.
ED-PR12 (for 0-12.7mm)
ED-PR25 (for 0-25mm)
ED-PR50 (for 0-50mm)
ED-PR100 (for 0-100mm)



ED-9025H

■ Depth Base(optional)



DB-9000L

101.5x17mm

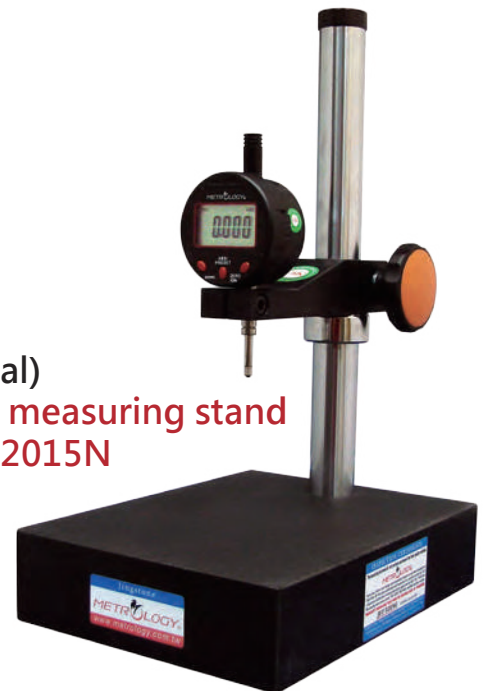


DB-9000S

63x17mm

Model No.	Measuring Range	Resolution	Accuracy
ED-9012N	0-12.7mm / 0.5"	0.01mm 0.0005"	10um
ED-9025N	0-25mm / 1"		10um
ED-9050N	0-50mm / 2"		15um
ED-9100N	0-100mm / 4"		20um
ED-9012H	0-12.7mm / 0.5"	0.001mm 0.00005"	5um
ED-9025H	0-25mm / 1"		5um
ED-9050H	0-50mm / 2"		6um
ED-9100H	0-100mm / 4"		10um

(optional)
**Granite measuring stand
GN-MS2015N**



■ Digital Dial Gauge (ABS/Rotatable /Micro)



- Large LCD display can be turned 330 degrees.
- Easy to read and operate reducing vision errors.
- Absolute sensor measuring system, for fast and reliable measurement, no need to repeatedly reset zeros.
- SPC data output port.
Measuring data can be exported to Excel via USB.

■ Buttons Functions

in/mm : Imperial/ metric conversion

+/- : Digital display direction key

ZERO/ABS : Set zero at any position/
Absolute & increment value conversion

ORIGIN : Absolute zero

PRESET : To set display value

TOL : Limit setting key

⏻ : Turn on/off Key

ABS
SPC Plus



Optional accessories :
Bluetooth data transmission device (DO-W2-RS)



Optional accessories : data output cable (DO-B+C04)

Model No.	Measuring Range	Resolution	Accuracy
ED-9013HA	0-12.7mm / 0.5"	0.001mm	4um
ED-9025HA	0-25mm / 1"		5um
ED-9050HA	0-50mm / 2"	0.00005"	6um

■ Digital Dial Gauge (ABS/Rotatable /Micro)

Suitable for pairing up with measuring stands to measure depth, thickness, height, steps, and length. Attached to machine table or setting gauge for measuring movement positions and distances.



ED-9013HA



ED-9025HA



ED-9050HA

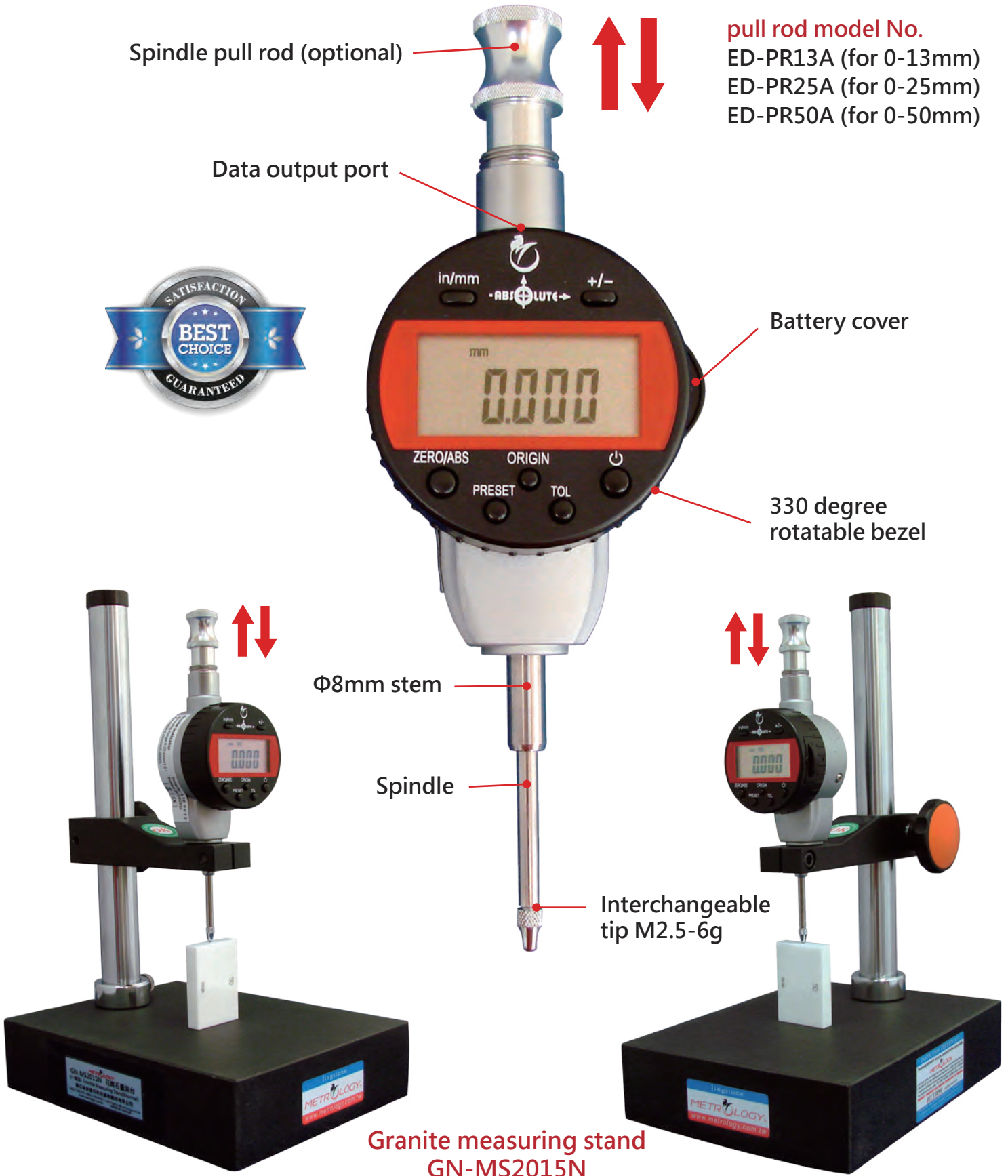


【330 Degree Rotatable Diagram】



■ Digital Dial Gauge (ABS/Rotatable /Micro)

Pair with varies type of granite measuring stand for measuring depth, thickness, height, steps, and length.



■ Contact Points

For all brands of metric models dial gauges.



Model No.	Type	Specification	Material
DI-B3	Ball point	Φ3*L6mm	Hardened steel
DI-S17	Spherical point	R3*L17 Φ4.5mm	
DI-S27		R3*L27 Φ4.5mm	
DI-S37		R3*L37 Φ4.5mm	
DI-F5	Flat point	Φ5*L8mm	Ceramic
DI-F10		Φ10*L8mm	
DI-F10C		Φ10*L4mm	
DI-T0.3	Taper point	R0.3*L15mm	Hardened steel
DI-D1.5	Needle point	Φ1.5*L30mm	
DI-ER10	Extension rod	Φ4.5*L10mm	
DI-ER20		Φ4.5*L20mm	
DI-ER40		Φ4.5*L40mm	
DI-ER60		Φ4.5*L60mm	
DI-ER80		Φ4.5*L80mm	

Screw specifications : M2.5-6g

■ Contact Points

Screw specifications : M2.5-6g

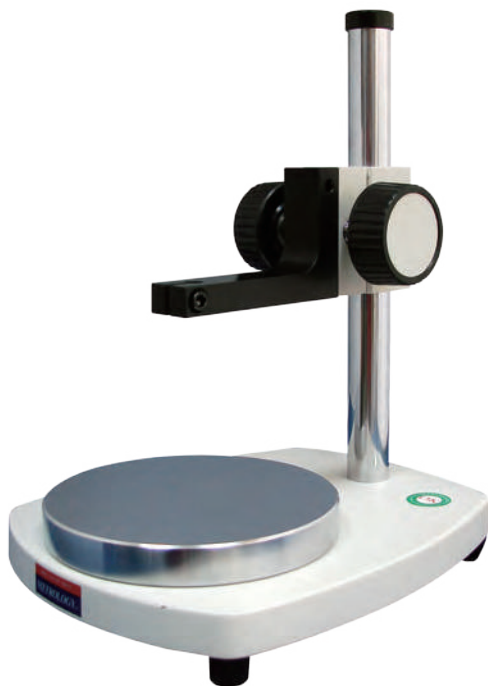
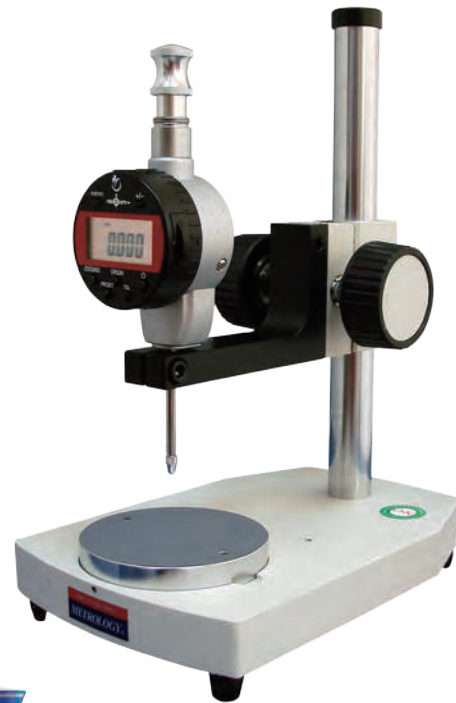
<p>M2/70</p>	<p>573/10</p>	<p>573/11</p> <p>Ø = 8 10 11 12 13 14 15 16 17 18 19 20 25 30 35</p>	<p>573/12</p>	<p>573/13</p>
<p>573/13-60</p>	<p>573/14</p>	<p>573/14 L</p> <p>L = 15 20 25 30 35 40 50</p>	<p>573/15</p>	<p>573/15 L</p> <p>L = 5 10 15 20 30</p>
<p>573/16</p>	<p>573/17</p>	<p>573/17 L</p> <p>L = 10 20 30 40 50 60 70 80 90</p>	<p>573/18</p>	<p>573/19</p>
<p>573/20 E</p>	<p>573/21</p>	<p>573/22</p>	<p>573/23</p>	<p>573/24 E</p>
<p>573/35 L</p> <p>L = 10 15 20 30 35</p>	<p>573/39 E</p>	<p>573/28 E</p>	<p>573/40</p> <p>L = 1 1.5 2 3 4 5 6 7 7.8 10</p>	

■ Measuring Stand (Chrome Steel)

Can be fitted with varies indicators, for direct and indirect measuring of height, depth, thickness, step, flatness, parallels, and roundness, and etc.



MS-S90



MS-S150

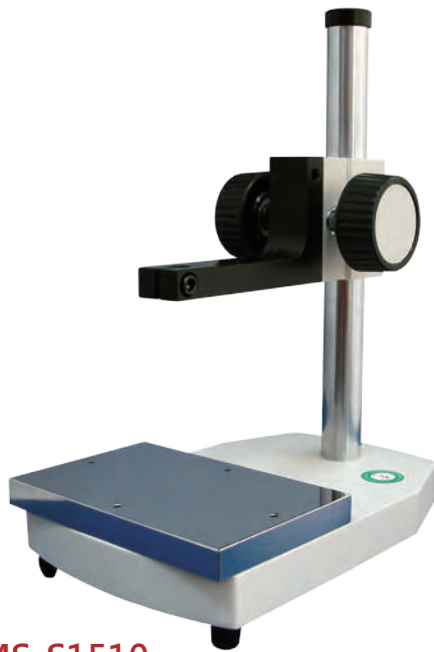


Model No.	Specification	Flatness
MS-S90	Φ90mm	2um
MS-S150	Φ150mm	4um

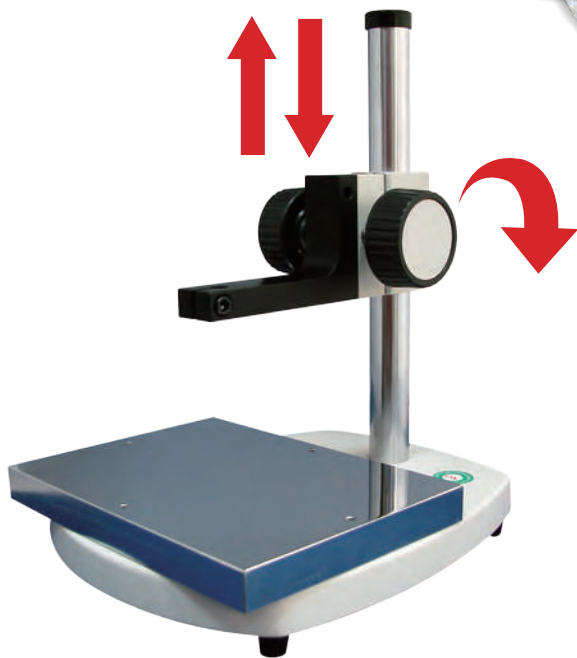
Main column: chrome steel $\Phi 25 \times L 250 \text{mm}$
 Measuring stand: polished chrome steel
 Traveling : 50mm hand-turn wheel

■ Measuring Stand (Chrome Steel)

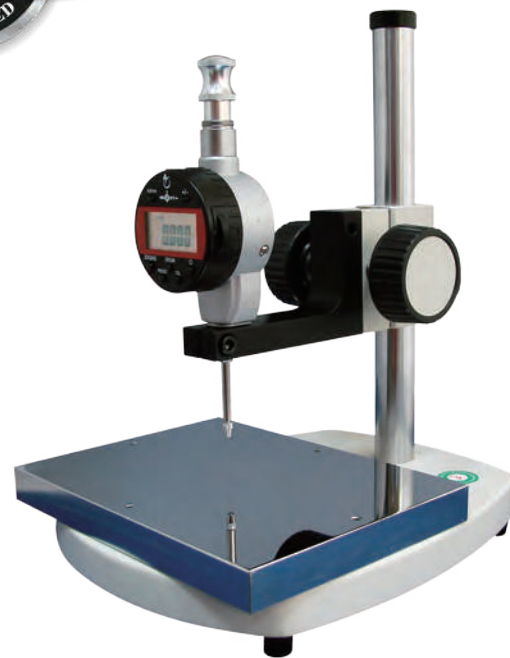
Can be fitted with varies indicators, for direct and indirect measuring of height, depth, thickness, step, flatness, parallels, and roundness, and etc.



MS-S1510



MS-S2015



Model No.	Specification	Flatness
MS-S1510	150x100mm	3um
MS-S2015	200x150mm	5um

Main column: chrome steel $\Phi 25 \times L250 \text{mm}$
 Measuring stand: polished chrome steel
 Traveling : 50mm hand-turn wheel