

Dial Indicators

Comparison measuring instruments which ensure high quality, high accuracy and reliability.



An inspection certificate is supplied as standard. Refer to page X for details.

SERIES 2 — Standard Type, 0.01mm Graduation

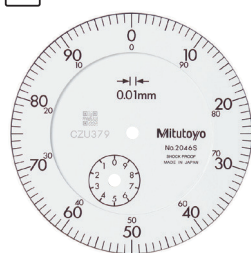
- Standard 0.01mm graduation dial gages having a bezel with an outside diameter of 57mm. All types come with limit markers and a bezel clamp as standard.
- The bezel clamp and lifting lever (optional) can be attached to either the right or left side. These parts can be easily installed and removed without tools.
- Secure adhesion between the bezel and crystal as well as the use of an O-ring prevents water or oil penetration.
- The spindle is made of high-strength quench-hardened stainless steel suitable for heavy-duty use.
- A carbide contact point is used.
- The grand gear is made of stainless steel with high resistance to wear and deformation.
- Application of a hard coating on the surface of the crystal makes the gage highly scratch- and chemical-resistant.



20465



Continuous scale



Graduation: 0.01mm,
Measuring range: 10mm

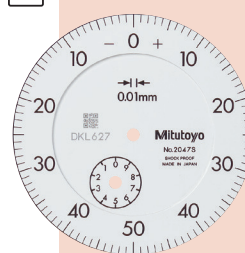
20465

20465-09

Shockproof type



Balanced scale

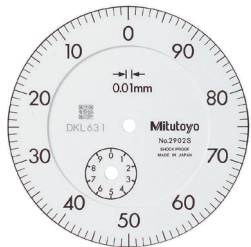


Graduation: 0.01mm,
Measuring range: 10mm

20475



Reverse reading type. Suitable for depth and step measurement.

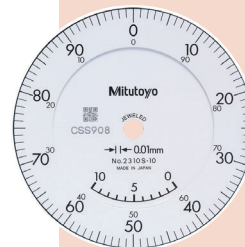


Graduation: 0.01mm,
Measuring range: 10mm

29025



Continuous scale



Graduation: 0.01mm,
Measuring range: 10mm

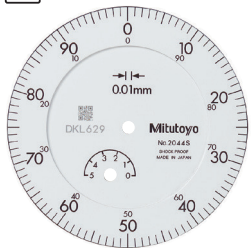
2310S-10

With coaxial revolution counter

Jeweled bearing type



Continuous scale



Graduation: 0.01mm,
Measuring range: 5mm

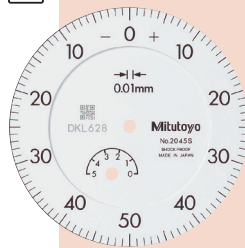
20445

20445-09

Shockproof



Balanced scale



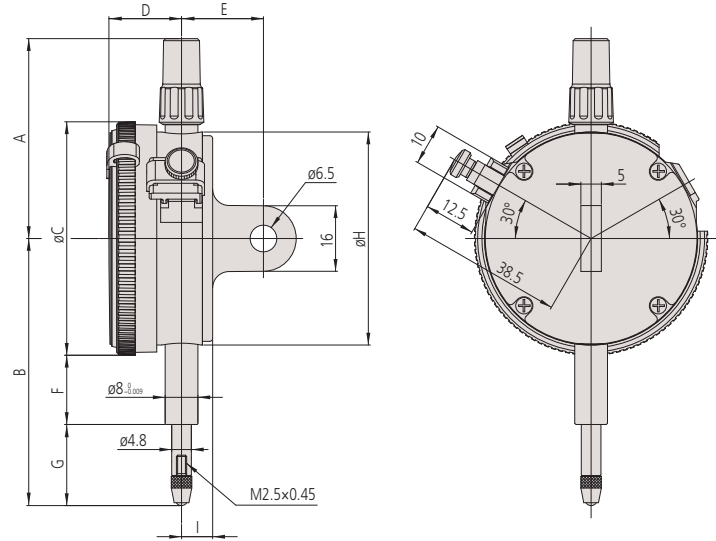
Graduation: 0.01mm,
Measuring range: 5mm

20455

DIMENSIONS

ISO/JIS
Type

Unit: mm



Note 1: Dimensions of the inch (ANSI/AGD Type) dial indicator partly differ from those of the metric (ISO/JIS Type) indicator.

Note 2: Inch (ANSI/AGD Type) dial indicators are provided with a stem of 3/8" dia. and #4-48UNF thread mount for the contact point.

Order No.	A	B	C	D	E	F	G	H	I
2046S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6
2046S-09	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6
2047S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6
2902S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6
2310S-10	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6
2044S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6
2044S-09	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6
2045S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6

FEATURES

Metric

Order No.	w/ lug	Flat-back	30°/10°	15°/10°	30°/10°	60°	10°/10°	10°/10°	10°/10°
2046S	2046SB	✓	—	—	—	—	—	—	—
2046S-09	2046SB-09	✓	—	—	✓	—	—	—	—
2047S	2047SB	—	✓	—	—	—	—	—	—
2902S	2902SB	—	—	✓	—	—	—	—	✓
2310S-10	2310SB-10	✓	—	—	—	—	✓	✓	—
2044S	2044SB	✓	—	—	—	—	—	—	—
2044S-09	2044SB-09	✓	—	—	✓	—	—	—	—
2045S	2045SB	—	✓	—	—	—	—	—	—

SPECIFICATIONS

Metric

□ ISO/JIS type

Order No.		Graduation	Range (range/rev)	Accuracy				Repeat- ability	Dial reading	Measuring force
w/ lug	Flat-back			Overall	Retrace	1/10 Rev	1 Rev			
2046S	2046SB	0.01mm	10mm (1mm)	13µm	3µm	5µm	10µm	3µm	±0-100	1.4N or less
2046S-09	2046SB-09	0.01mm	10mm (1mm)	15µm	3µm	5µm	10µm	3µm	±0-100	1.4N or less
2047S	2047SB	0.01mm	10mm (1mm)	13µm	3µm	5µm	10µm	3µm	0-50-0	1.4N or less
2902S	2902SB	0.01mm	10mm (1mm)	13µm	3µm	5µm	10µm	3µm	100-0	1.4N or less
2310S-10	2310SB-10	0.01mm	10mm (1mm)	15µm	3µm	5µm	10µm	3µm	±0-100	1.4N or less
2044S	2044SB	0.01mm	5mm (1mm)	12µm	3µm	5µm	10µm	3µm	±0-100	1.4N or less
2044S-09	2044SB-09	0.01mm	5mm (1mm)	12µm	3µm	5µm	10µm	3µm	±0-100	1.4N or less
2045S	2045SB	0.01mm	5mm (1mm)	12µm	3µm	5µm	10µm	3µm	0-50-0	1.4N or less

* Completed products inspection is performed in the vertical position (contact point downward) and the stated accuracy is guaranteed.