

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, 0.001mm & 0.005mm Graduation

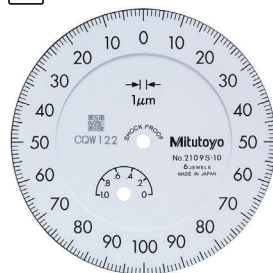
- Standard 0.001mm and 0.005mm graduation dial indicators having a bezel with an outside diameter of $\varnothing 57\text{mm}$. All types come with limit markers and a bezel clamp.
- The outer clamp and lifting lever (optional) can be attached to either the right or left side. These parts can be easily 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 which resists arduous use.
- A carbide contact point is used.
- A special alloy is used for the sector gears to provide improved wear resistance.
- The indicator uses jeweled bearings, providing excellent indication sensitivity and durability.
- Application of a hard coating on the surface of the crystal makes the gauge highly scratch- and chemical-resistant.



2109S-10



Balanced scale



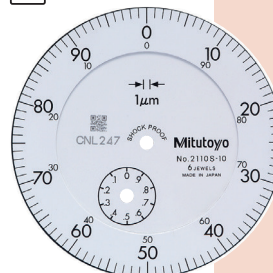
Graduation: 0.001mm,
Measuring range: 1mm

2109S-10

Shockproof type
 Jeweled bearing type



Continuous scale



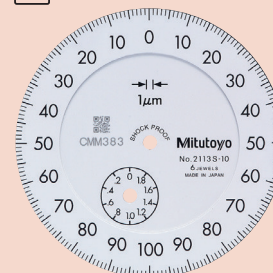
Graduation: 0.001mm,
Measuring range: 1mm

2110S-10

Double scale spacing type
 Shockproof type
 Jeweled bearing type



Balanced scale



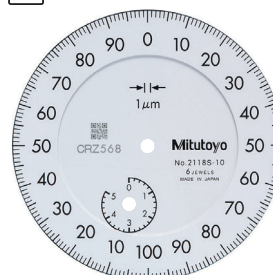
Graduation: 0.001mm,
Measuring range: 2mm

2113S-10

Shockproof type
 Jeweled bearing type



Continuous scale



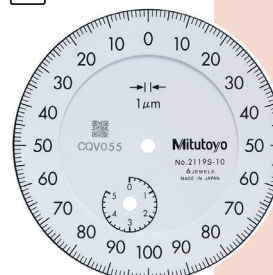
Graduation: 0.001mm,
Measuring range: 5mm

2118S-10

Jeweled bearing type



Balanced scale



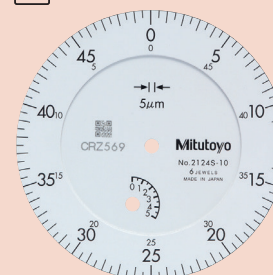
Graduation: 0.001mm,
Measuring range: 5mm

2119S-10

Jeweled bearing type



Continuous scale



Graduation: 0.005mm,
Measuring range: 5mm

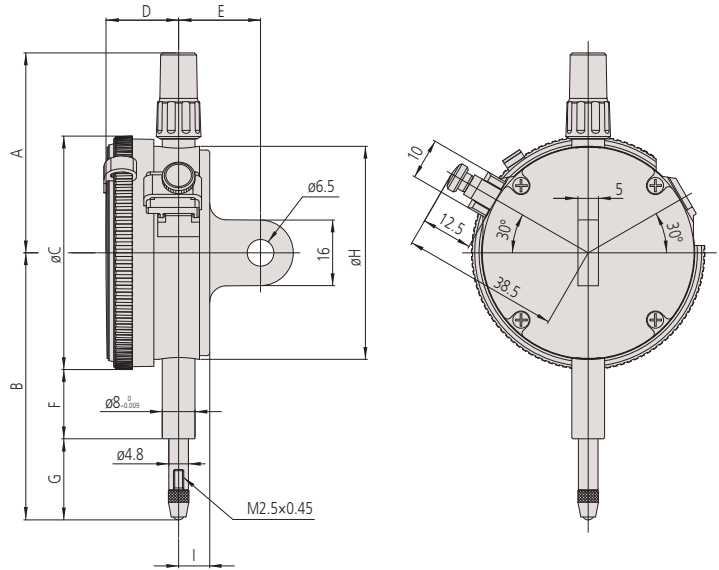
2124S-10

Jeweled bearing type

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
2109S-10	48.8	60.5	57	17.7	20	16.9	15.1	52	7.6
2110S-10	48.8	66.5	57	17.7	20	16.9	21.1	52	7.6
2113S-10	48.8	61	57	17.7	20	16.9	15.6	52	7.6
2118S-10	48.8	60.3	57	17.7	20	16.9	14.9	52	7.6
2119S-10	48.8	60.3	57	17.7	20	16.9	14.9	52	7.6
2124S-10	48.8	60.3	57	17.7	20	16.9	14.9	52	7.6

FEATURES

Metric

Order No.	w/ lug	Flat-back	150°	10°	64°	64°	64°	64°
2109S-10	2109SB-10	—	✓	✓	—	✓	—	—
2110S-10	2110SB-10	✓	—	✓	—	✓	✓	—
2113S-10	2113SB-10	—	✓	✓	—	✓	—	—
2118S-10	2118SB-10	✓	—	—	—	✓	—	—
2119S-10	2119SB-10	—	✓	—	—	✓	—	—
2124S-10	2124SB-10	✓	—	—	—	✓	—	—

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			
2109S-10	2109SB-10	0.001mm	1mm (0.2mm)	5µm	2µm	2µm	4µm	0.5µm	0-100-0	1.5N or less
2110S-10	2110SB-10	0.001mm	1mm (0.1mm)	5µm	2µm	2µm	4µm	0.5µm	±0-100	1.8N or less
2113S-10	2113SB-10	0.001mm	2mm (0.2mm)	7µm	2µm	2µm	5µm	0.5µm	0-100-0	1.5N or less
2118S-10	2118SB-10	0.001mm	5mm (0.2mm)	10µm	3µm	3.5µm	6µm	1µm	0-100-100	1.5N or less
2119S-10	2119SB-10	0.001mm	5mm (0.2mm)	10µm	3µm	3.5µm	6µm	1µm	0-100-0	1.5N or less
2124S-10	2124SB-10	0.005mm	5mm (0.5mm)	12µm	3µm	5µm	9µm	3µm	±0-50	1.5N or less

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