

Dial Indicator

SERIES 2 — Standard Type, 0.001mm Resolution

FEATURES

- 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



2110S-10



2119S-10



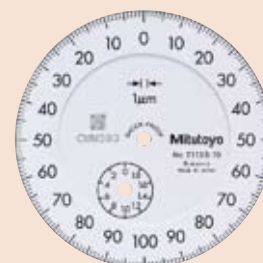
(Refer to page VIII for details.)



2109S-10
2109S-70



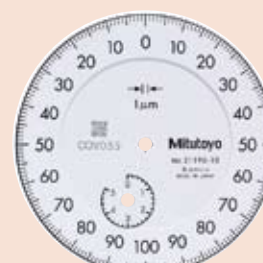
2110S-10
2110S-70



2113S-10



2118S-10



2119S-10



2124S-10



Shockproof type



Waterproof type



Jeweled bearing type



Double scale spacing type

FEATURES

Metric

Order No.					
w/ lug	Flat-back				
2109S-10	2109SB-10	✓	—	✓	—
2109S-70	2109SB-70	✓	✓	✓	—
2110S-10	2110SB-10	✓	—	✓	✓
2110S-70	2110SB-70	✓	✓	✓	✓
2113S-10	2113SB-10	✓	—	✓	—
2118S-10	2118SB-10	—	—	✓	—
2119S-10	2119SB-10	—	—	✓	—
2124S-10	2124SB-10	—	—	✓	—

Optional Accessories

- : Backs (See page F-40.)
- : Contact points (See page F-36.)

SPECIFICATIONS

Metric

ISO/JIS type

Graduation	Order No.		Range (range/rev)	Accuracy				Repeat-ability	Dial reading	Measuring force
	w/ lug	Flat-back		Overall	Retrace	1/10 Rev	1 Rev			
0.001mm	2109S-10	2109SB-10	1mm (0.2mm)	±5μm	3μm	2.5μm	±4μm	0.5μm	0-100-0	1.5N or less
0.001mm	2109S-70	2109SB-70	1mm (0.2mm)	±5μm	3μm	2.5μm	±4μm	0.5μm	0-100-0	2.0N or less
0.001mm	2110S-10	2110SB-10	1mm (0.1mm)	±5μm	3μm	2.5μm	±4μm	0.5μm	±0-100	1.5N or less
0.001mm	2110S-70	2110SB-70	1mm (0.1mm)	±5μm	3μm	2.5μm	±4μm	0.5μm	±0-100	2.0N or less
0.001mm	2113S-10	2113SB-10	2mm (0.2mm)	±7μm	3μm	4μm	±6μm	0.5μm	0-100-0	1.5N or less
0.001mm	2118S-10	2118SB-10	5mm (0.2mm)	±10μm	4μm	5μm	±7μm	1μm	0-100-100	1.5N or less
0.001mm	2119S-10	2119SB-10	5mm (0.2mm)	±10μm	4μm	5μm	±7μm	1μm	0-100-0	1.5N or less
0.005mm	2124S-10	2124SB-10	5mm (0.5mm)	±12μm	5μm	7μm	±9μm	3μm	±0-50	1.5N or less

DIMENSIONS

