



An inspection certificate is supplied as standard.
Refer to page U-11 for details.

Dial Indicators

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

SERIES 2 — Standard Type, 0.001 mm & 0.005 mm Graduation

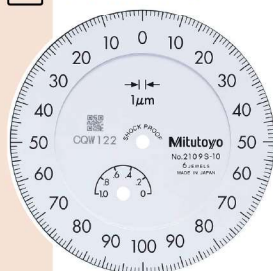
- Standard 0.001 mm and 0.005 mm graduation dial indicators having a bezel with an outside diameter of 57 mm. All types come with limit markers and a bezel clamp.
- The bezel clamp and lifting lever (optional) can be attached to either the right or left side. These parts can be easily installed and removed without tools.
- Watertight assembly of bezel and crystal as well as the use of an O-ring prevents water or oil penetration.
- The stem and spindle are made of high-strength quench-hardened stainless steel suitable for heavy-duty 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 gage highly scratch- and chemical-resistant.



2109S-10



Balanced scale



Graduation: 0.001 mm,
Measuring range: 1 mm

2109S-10

- Shockproof type
- Jeweled bearing type



Continuous scale



Graduation: 0.001 mm,
Measuring range: 1 mm

2110S-10

- Double scale spacing type
- Shockproof type
- Jeweled bearing type



Balanced scale



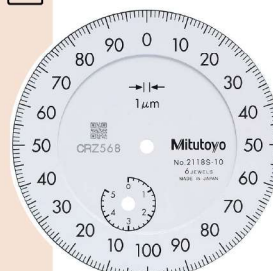
Graduation: 0.001 mm,
Measuring range: 2 mm

2113S-10

- Shockproof type
- Jeweled bearing type



Continuous scale



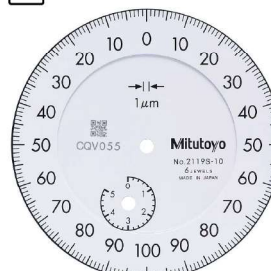
Graduation: 0.001 mm,
Measuring range: 5 mm

2118S-10

- Jeweled bearing



Balanced scale



Graduation: 0.001 mm,
Measuring range: 5 mm

2119S-10

- Jeweled bearing



Continuous scale



Graduation: 0.005 mm,
Measuring range: 5 mm

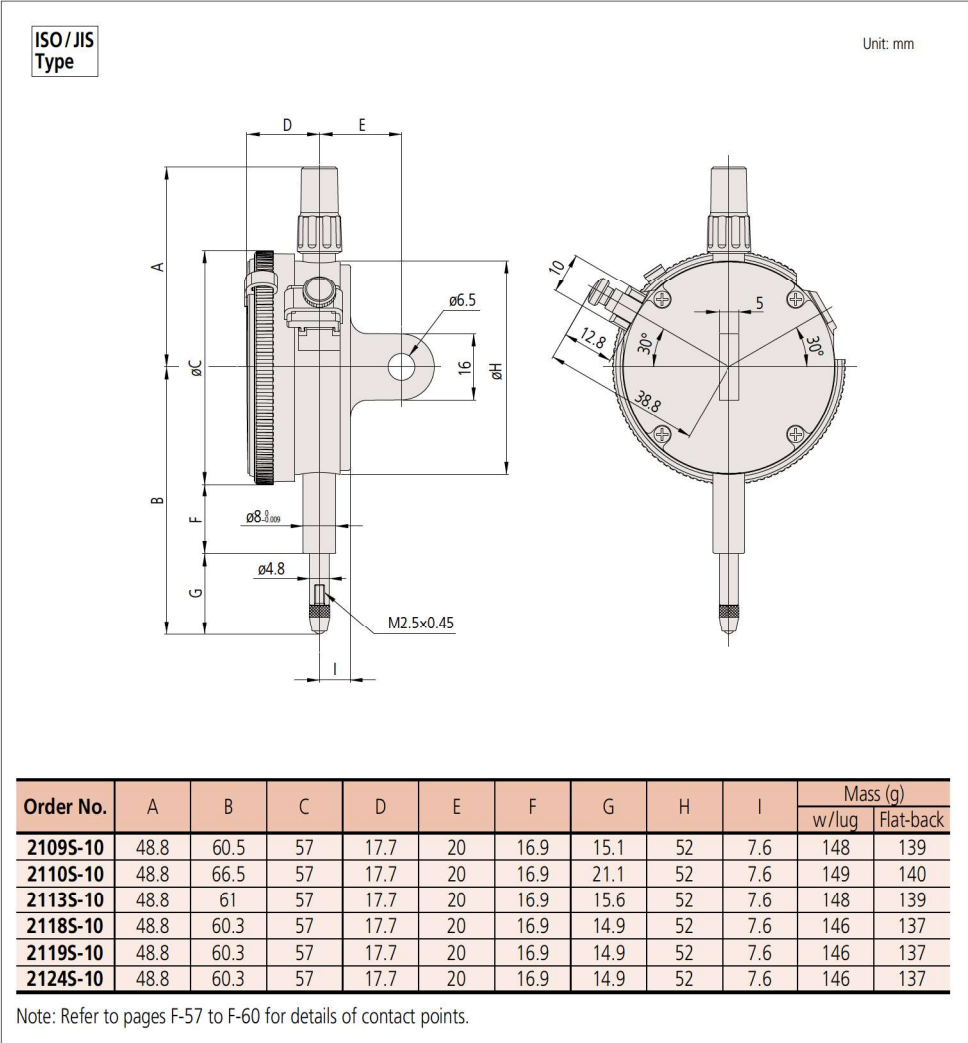
2124S-10

- Jeweled bearing

Dial Indicators

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

DIMENSIONS



FEATURES

Metric								
Order No.								
w/lug	Flat-back	10 1/10	10 1/10	2	64	10 1/10	10 1/10	10 1/10
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 (mm)	Range (range/rev) (mm)	Maximum permissible error (MPE) (μm)						Dial reading	Measuring force (N)
w/lug	Flat-back			Indication error				Hysteresis	Repeat-ability		
				1/10 Rev	1/2 Rev	1 Rev	Measuring range				
2109S-10	2109SB-10	0.001	1 (0.2)	2	3	4	5	2	0.5	0-100-0	1.5 or less
2110S-10	2110SB-10	0.001	1 (0.1)	2	3	4	5	2	0.5	±0-100	1.8 or less
2113S-10	2113SB-10	0.001	2 (0.2)	2	4	5	7	2	0.5	0-100-0	1.5 or less
2118S-10	2118SB-10	0.001	5 (0.2)	3.5	5	6	10	3	1	0-100-100	1.5 or less
2119S-10	2119SB-10	0.001	5 (0.2)	3.5	5	6	10	3	1	0-100-0	1.5 or less
2124S-10	2124SB-10	0.005	5 (0.5)	5	8	9	12	3	3	±0-50	1.5 or less

Note: Completed products inspection is performed in the vertical orientation (contact point downward) and the stated accuracy is guaranteed.