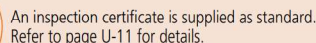


Comparison measuring instruments which ensure high quality, high accuracy and reliability.



Adjustable hand dial indocator

- The hand position can be adjusted independently of the position of the spindle by rotating the top knob.



Continuous scale

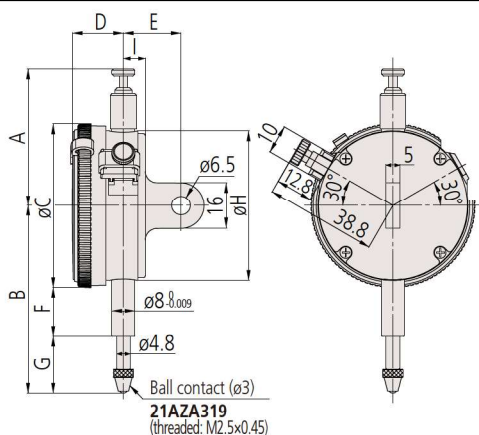


Graduation: 0.01 mm,
Measuring range: 10 mm

2048S-10

 With coaxial revolution counter Adjustable hand Jeweled bearing

ISO/JIS
Type



Unit: mm

Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
2048S-10	47.4	64.9	57	17.7	20	16.9	19.5	52	7.6	144	135

Note 1: Contact points, other than dedicated types, cannot be installed.

Note 2: The shoulder on a contact point (standard accessory) acts as a stop to prevent spindle overrun that may otherwise damage the indicator. For this reason, if you need to install an optional contact point with an outside diameter smaller than 7 mm, use a washer (with outside diameter of at least 7 mm, inside diameter of 3 mm, and thickness of approx. 0.5 mm) placed between the contact point and the spindle.

 ISO/JIS type










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				
2048S-10	2048SB-10	0.01	10 (1)	5	9	10	15	3	3	±0-100	1.4 or less







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

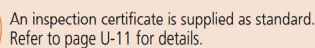
Inch		ANSI/AGD type						
Order No.		Graduation (in)	Range (range/rev) (in)	Accuracy (in)		Repeatability (in)	Dial reading	Measuring force (N)
w/lug	Flat-back			First 1 Rev/2.5 Rev/10 Rev	Retrace			
29155-10	29155B-10	0.001	0.5 (0.1)	±0.001/±0.001/±0.001	0.0002	±0.0002	±0-100	1.8 or less
29185-10	29185B-10	0.001	0.5 (0.1)	±0.001/±0.001/±0.001	0.0002	±0.0002	0-50-0	1.8 or less

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

Metric

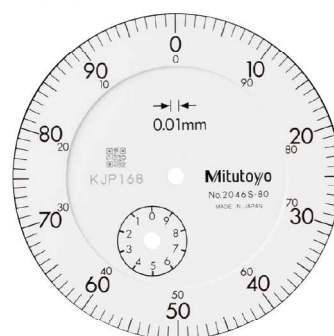
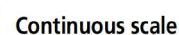
Order No.						
w/lug	Flat-back					
20485-10	20485B-10					

Inch							
Order No.							
w/lug	Flat-back						
2915S-10	2915SB-10	✓		✓		✓	✓
2918S-10	2918SB-10		✓	✓		✓	✓



- A mechanism holds the pointer and the spindle at the position of maximum depression and hence displays the maximum value.

Note: Clearance of peak hold: Push the mechanism release in the direction of the arrow indicated in the dimensional drawing below.



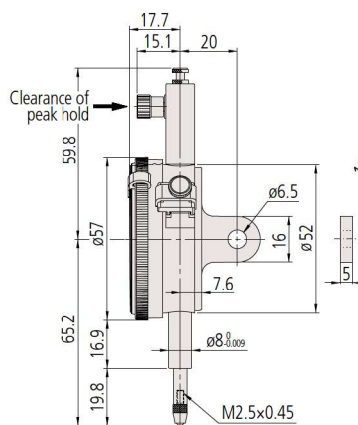
Graduation: 0.01 mm,
Measuring range: 10 mm

2046S-80







 Peak retaining

ISO / JIS
Type



Unit: mm

Metric

Order No.					
w/lug	Flat-back				
2046S-80	2046SB-80	✓		✓	

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				
2046S-80	2046SB-80	0.01	10 (1)	5	9	10	15	—	—	±0-100	5.0 or less

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