

Dial Indicators

SERIES 2 — Special Dial Indicators

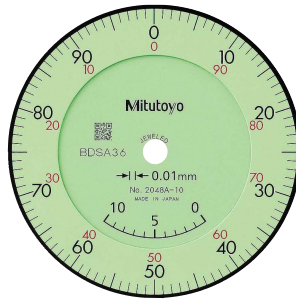
Adjustable hand dial indicator

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



2048A-10

Continuous scale



Graduation: 0.01 mm,
Measuring range: 10 mm

2048A-10

- With coaxial revolution counter
- Adjustable hand
- Jeweled bearing

DIMENSIONS

ISO/JIS Type

Unit: mm

Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
2048A-10	47.4	64.9	57	18.1	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.

SPECIFICATIONS

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					
2048A-10	2048AB-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.

FEATURES

Order No.		With coaxial revolution counter	Adjustable hand	Jeweled bearing
2048A-10	2048AB-10	✓	✓	✓



Optional Accessories

- Limit hand (2 pcs.): 21AZB195



- Bezel clamp: 21AZB148





Optional Accessories

- Limit hand (2 pcs.): **21AZB195**



- Bezel clamp: **21AZB148**



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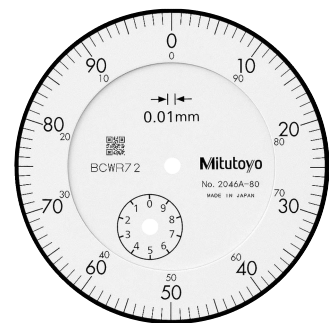
- A mechanism holds the pointer and the spindle at the position of maximum depression and hence displays the maximum value.

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



2046A-80

Continuous scale



Graduation: 0.01 mm, Measuring range: 10 mm **2046A-80** Peak retaining

DIMENSIONS

ISO/JIS Type

Unit: mm

Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
2046A-80	55.8	65.2	57	18.1	20	16.9	19.8	52	7.6	158	149

FEATURES

Order No.					
w/lug	Flat-back				
2046A-80	2046AB-80	✓		✓	

SPECIFICATIONS

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					
2046A-80	2046AB-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.