



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 1 — Compact Type, Extra Small Diameter

- Compact dial indicators with bezel diameters of 31 or 36 mm for restricted-space applications in gaging jigs.



1911T-10



Balanced scale



Graduation: 0.01 mm,
Measuring range: 2.5 mm

1911T-10

Jeweled bearing



Balanced scale



Graduation: 0.02 mm,
Measuring range: 0.5 mm

1913T-10

Jeweled bearing



1003T



Balanced scale



Graduation: 0.01 mm,
Measuring range: 4 mm

1003T

Dial Indicators

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



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DIMENSIONS

ISO/JIS
Type

1911T-10/1913T-10

ANSI/AGD
Type

1003T

1921T-10/1923T-10/1925T-10

Unit: mm

Unit: in

Metric

Unit: mm

Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
1911T-10	15.5	42	31	12.9	19.2	15	11.5	30	5.9	56	52
1913T-10	15.5	39.5	31	12.9	19.2	15	9	30	5.9	56	52
1003T	18	40.3	36	13	15	9.5	12.8	32	6	61	58

Inch

Unit: in

Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
1921T-10	0.61	1.57	1.22	0.51	3/4	0.59	0.37	1.18	0.27	56	52
1923T-10	0.61	1.51	1.22	0.51	3/4	0.59	0.31	1.18	0.27	56	52
1925T-10	0.61	1.48	1.22	0.51	3/4	0.59	0.28	1.18	0.27	56	52

Note 1: Limit hands, bezel clamps and lifting levers 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.

Note 3: Being fixed by only two retaining screws, the back cannot be rotated by 90° to change the orientation of the lug.

SPECIFICATIONS

Metric

ISO/JIS type

Order No.	w/lug	Flat-back	Graduation (mm)	Range (range/rev) (mm)	Maximum permissible error (MPE) (μm)						Dial reading	Measuring force (N)
					Indication error				Hysteresis	Repeat-ability		
					1/10 Rev	1/2 Rev	1 Rev	Measuring range				
1911T-10	1911TB-10	0.01	2.5 (1)	8	9	10	12	4	3	0-50-0	1.8 or less	
1913T-10	1913TB-10	0.002	0.5 (0.2)	2.5	4	5	6	2.5	1	0-100-0	1.8 or less	
1003T	1003TB	0.01	4 (1)	8	10	11	13	4	3	0-50-0	1.4 or less	

Inch

ANSI/AGD type

Order No.	w/lug	Flat-back	Graduation (in)	Range (range/rev) (in)	Accuracy (in)			Repeat-ability (in)	Dial reading	Measuring force (N)
					First 1 Rev/2.5 Rev/10 Rev		Retrace			
					First 1 Rev	2.5 Rev				
1921T-10	1921TB-10	0.001	0.1 (0.04)	±0.001	±0.001	—	0.0002	±0.0002	0-20-0	1.8 or less
1923T-10	1923TB-10	0.0005	0.05 (0.02)	±0.0005	±0.0005	—	0.00016	±0.0001	0-10-0	1.8 or less
1925T-10	1925TB-10	0.0001	0.025 (0.01)	±0.0002	±0.0002	—	0.0001	±0.00003	0-5-0	1.8 or less

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