Dial Indicator

Dial Indicator is surely utilized at manufacturing sites where dimensional high accuracy is needed to be confirmed. The graduation (1- graduation) depends on usage and Teclock offers 6 kinds of graduations, namely 0.0005mm, 0.001mm, 0.005mm, 0.01mm, 0.05mm and 0.1mm. The strokes are available from 0.08mm (the shortest) up to 150mm. Dial Indicator is normally not used independent but its stem or lug back is fixed to a jig and holds work piece with the measuring stand and contact point, and displacement volume is read with short hand and pointer. The dial indicator is applied for direct measurement to measure actual dimension and comparative measurement for measuring displacement volume from a certain standard dimension.

0.001mm Dial Indicator

- Standard type dial indicators of graduation 0.001mm and bezel diameter 56mm.
- Durability is pursued by protecting mechanical parts like gears with shock absorbing mechanism (Teclock unique shock proof mechanism).
- Jeweled bearing is applied for improving durability.
- Stable repeatability accuracy is realized with lever enlargement mechanism built–in.
- Tolerance hand is provided as standard accessory for all models for positive tolerance setting.
- Lifting lever (Option) can be mounted . (Refer to page 25)
- Bezel clamp (Option) can be mounted (except for TM-1201PW).
- Measuring ability can be changed .
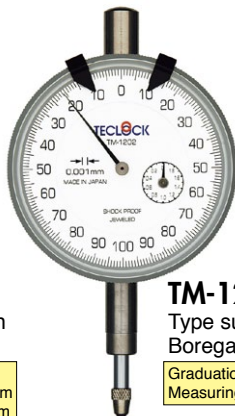- In case that flat back is required, add suffix "f" to the end of model number (example =TM-1201f).

TM-1201
Popular type
Graduation 0.001mm
Measuring Range 1mm

TM-1201PW
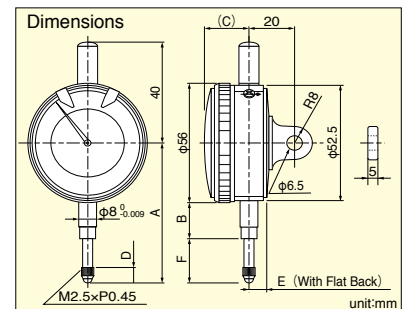Oil-proof type
Graduation 0.001mm
Measuring Range 1mm

TM-1251
Wide graduation width type
Graduation 0.001mm
Measuring Range 1mm
One Revolution 0.1mm

TM-1202
Type suitable to Boregauge
Graduation 0.001mm
Measuring Range 2mm

TM-1205
5mm stroke type
Graduation 0.001mm
Measuring Range 5mm

Dimensions

unit:mm

Dimensions Table

Model	A	B	C	D	E	F
TM-1201	62	18	15	7.5	8	16
TM-1201PW	65.5	(18)	13.5	11	8.5	(19.5)
TM-1251	62	18	15	7.5	8	16
TM-1202	62	19	15	7.5	8	16
TM-1205	62	19	15.5	7.5	8	16

unit:mm

Specifications

Model	Graduation (mm)	Measuring Range (Free Stroke) (mm)	Repeatability (µm)	Indication Error (µm)					Hysteresis (µm)	Standard Contact Point	Measuring Force (N)	Weight (g)
				Adjacent Error	1/2 Revolution	1 Revolution	2 Revolution	Total Range				
TM-1201	0.001	1 (3)	0.5	2.5	±3	±4	±4	±5	3	ZS-017	1.5 or less	170
TM-1201PW	0.001	1 (3)	0.5	2.5	±3	±4	±4	±5	3	ZS-028	1.5 or less	180
TM-1251	0.001	1 (3)	0.8	2.5	±3	±4	±4	±5	3	ZS-017	1.5 or less	170
TM-1202	0.001	2 (2)	0.5	4	±5	±6	±6	±7	3	ZS-017	1.5 or less	170
TM-1205	0.001	5 (–)	1	5	±6	±7	±8	±10	4	ZS-017	1.5 or less	170

*In case flat back is required, please add suffix "f" to the end of model number. (example=TM-1201f)