DT-D

•With a scale •10 to 50 mm

Dial Gage-equipped Displacement Transducer



Possible to read displacement directly by scale **Excellent temperature** characteristics

DT-D displacement transducers adopt strain gages for the sensor part to ensure long-term stable measurement. They are widely used for measurement of structural relative displacement or absolute displacement from a steady point.

Performance							
Rated Capacity	See table below.						
Nonlinearity	Within ±0.5% RO						
Hysteresis	Within ±0.5% RO						
Repeatability	0.3% RO or less						
Rated Output	1.5 mV/V or more						
Environmenta	l Characteristics						
Safe Temperatu	re 0 to 55°C (Non-condensing)						
Compensated Te	emperature 0 to 50°C (Non-condensing)						
Toman anatuma Eff							
Temperature Eff	fect on Zero Within ±0.03% RO/°C						
Temperature Eff							
	fect on Output Within ±0.03%/°C						
Temperature Eff	fect on Output Within ±0.03%/°C						
Temperature Eff	fect on Output Within ±0.03%/°C acteristics 12 V AC or DC						
Temperature Eff Electrical Char Safe Excitation	fect on Output Within ±0.03%/°C acteristics 12 V AC or DC Excitation 1 to 4 V AC or DC						
Temperature Eff Electrical Char Safe Excitation Recommended	fect on Output Within ±0.03%/°C acteristics 12 V AC or DC Excitation 1 to 4 V AC or DC a 350 Ω ±2%						
Temperature Eff Electrical Char Safe Excitation Recommended Input Resistance Output Resistan	fect on Output Within ±0.03%/°C acteristics 12 V AC or DC Excitation 1 to 4 V AC or DC a 350 Ω ±2%						
Temperature Eff Electrical Char Safe Excitation Recommended Input Resistance Output Resistance Output Resistance	fect on Output Within ±0.03%/°C acteristics 12 V AC or DC Excitation 1 to 4 V AC or DC acteristics 350 Ω ±2% acce 350 Ω ±2%						

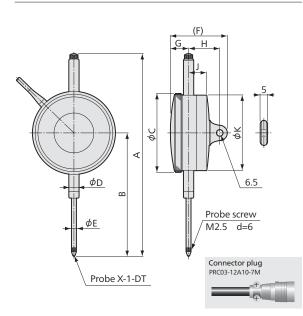
Safe Overloads	100%
Frequency Response	DC to approx. 0.8 Hz
Measuring Force	See table below.
Weight	See table below.
Optional Accessories	

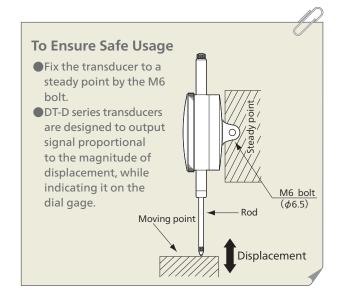
Replacement probes X, XS, SH Magnet base MB-B

(Note 1) Avoid usage in vibration.

- (Note 2) If large displacement is applied momentarily, it takes some time that output is settled.
- (Note 3) Do not apply any displacement in other than expansion/ contraction direction of the rod.
- (Note 4) If the DT-50D M150 is used in horizontal position, the rod inclines by approximately 10 mm due to its own weight and may not follow displacement.

Dimensions





Models	Rated Capacity	Measuring Force (Approx.)	А	В	φC	φD	φE	(F)	G	н	J	φK	Weight (Approx.)*
DT-10D	10 mm	1.7 N	106.5	65	53	8	4	54	14.5	31	17.5	49	160 g
•DT-20D	20 mm	2.1 N	131	90	66.5	8	5	52	14.5	29.5	17	62.5	310 g
 DT-30D M150 	30 mm	2.2 N	148	102	75.5	8	5	54	17.5	28.5	15.5	72.5	260 g
 DT-50D M150 	50 mm	2.7 N	209.5	128	81.5	10	5.5	58	17.5	32	19	78.5	300 g
•For delivery date, please contact us. *Excluding ca										cluding cable			

-150