

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 0.5\%$ RO
Hysteresis	Within $\pm 0.5\%$ RO
Repeatability	0.3% RO or less
Rated Output	1.5 mV/V $\pm 20\%$

Environmental Characteristics

Safe Temperature	0 to 60°C (Non-condensing)
Compensated Temperature	0 to 50°C (Non-condensing)
Temperature Effect on Zero	Within $\pm 0.05\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.05\%$ /°C

Electrical Characteristics

Safe Excitation	5 V AC or DC
Recommended Excitation	1 to 4 V AC or DC
Input Resistance	120 Ω \pm 3%
Output Resistance	120 Ω \pm 3%
Cable	4-conductor (0.08 mm ²) chloroprene shielded cable, 4 mm diameter by 5 m long, terminated with a connector plug PRC03-12A10-7M (Shield wire is connected to the case.)

Mechanical Properties

Frequency Response	DC to approx. 1.5 Hz
Measuring Force	Approx. 4.4 N
Weight	See table below. (Excluding cable)

Optional Accessories

Magnet base MB-B

(Note 1) Replacement probe X, XS, SH, or H does not apply.

(Note 2) Extension rods do not apply.

(Note 3) Avoid usage in vibration.

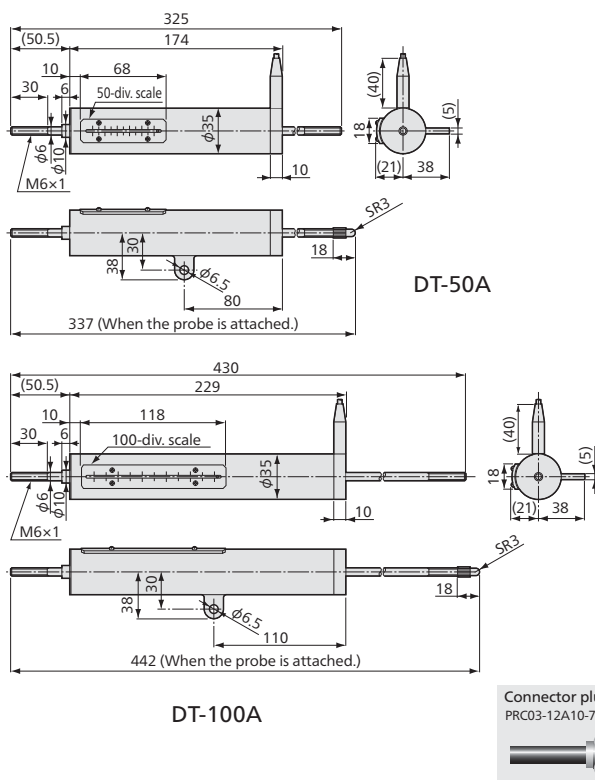
(Note 4) If large displacement is applied momentarily, it takes some time that output is settled.

(Note 5) Do not apply any displacement in other than expansion/contraction direction of the rod.

Models	Rated Capacity	Weight (Approx.)*
DT-50A	50 mm	380 g
DT-100A	100 mm	450 g

●For delivery date, please contact us. *Excluding cable

■ Dimensions



To Ensure Safe Usage

- Fix the transducer to a steady point by the M6 bolt.
- DT-A series transducers are designed to provide the smallest possible measuring force. Thus, the rod may not move with the displacement when the transducer is mounted upward. In such a case, detach the probe and fix the rod to the steady point using a nut. (See the figure at the left.)

