

DTK-A

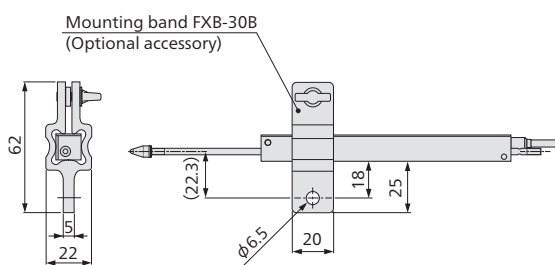
● 30 & 50 mm

Displacement Transducer



- Small and angular, easy installation
- Both tension and compression
- Measuring scale is provided

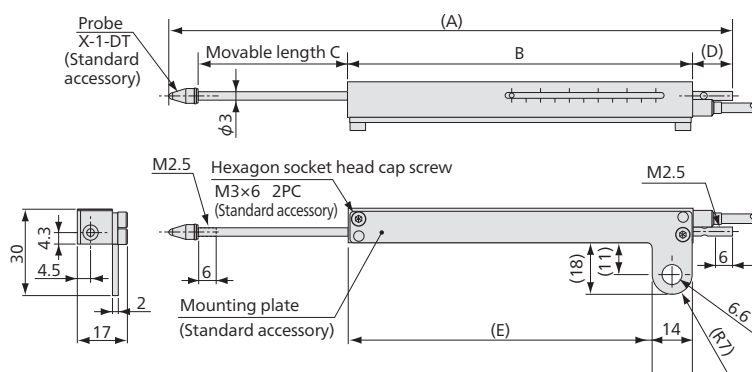
■ Mounting band FXB-30B



■ Dimensions

Models	(A)	B	C	(D)	(E)	Weight (Approx.)*
● DTK-A-30	140	85	31	14 to 45	71	25 g
DTK-A-50	196	120	51	14 to 65	106	34 g

● For delivery date, please contact us.

Unit: mm
*Excluding cable

Specifications

Performance

Rated Capacity	DTK-A-30: 30 mm, DTK-A-50: 50 mm
Nonlinearity	Within $\pm 0.3\%$ RO
Hysteresis	Within $\pm 0.3\%$ RO
Repeatability	0.3% RO or less
Rated Output	2.5 mV/V or more

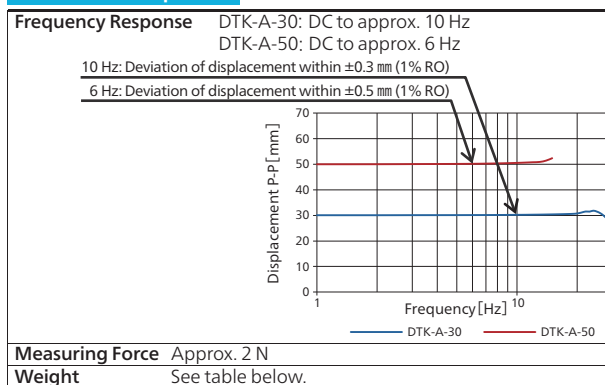
Environmental Characteristics

Safe Temperature	-10 to 70°C (Non-condensing)
Compensated Temperature	0 to 60°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	6 V AC or DC
Recommended Excitation	1 to 5 V AC or DC
Input Resistance	350 Ω $\pm 3\%$
Output Resistance	350 Ω $\pm 3\%$
Cable	4-conductor (0.08 mm ²) vinyl shielded cable, 3.2 mm diameter by 3 m long, terminated with a connector plug PRC03-12A10-7M (Shield wire is not connected to the case.)

Mechanical Properties



Standard Accessories

Mounting plate: 1
Hexagon socket head bolt (M3x6): 2
Pin ($\phi 2 \times 20$): 1

Optional Accessories

Extension rod EB-50, EB-100
Mounting band FXB-30B
Replacement probes X, XS, SH, H
Magnet base MB-B

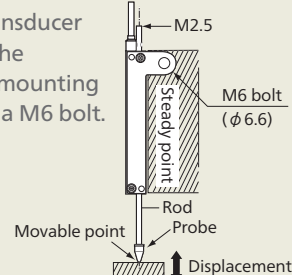
(Note 1) Avoid usage in vibration.

(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.

To Ensure Safe Usage

Fix the transducer by using the provided mounting plate and a M6 bolt.



Connector plug
PRC03-12A10-7M

