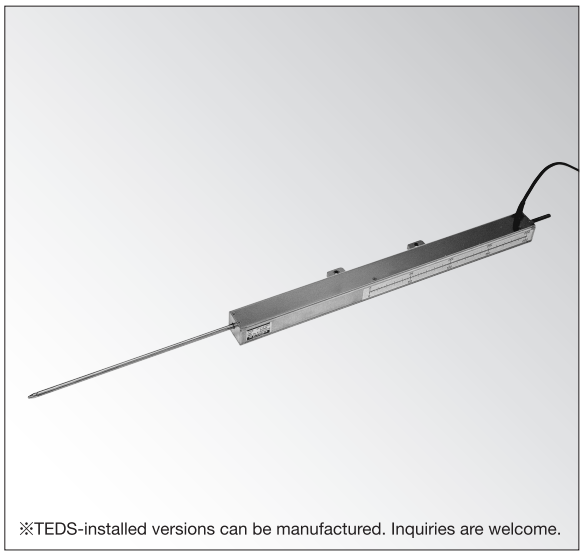
DTJ-A-200

Displacement Transducers



※TEDS-installed versions can be manufactured. Inquiries are welcome.

●Large Output 5 mV/V ●200 mm

Specifications

Performance

Rated Capacity :	200 mm
Nonlinearity :	Within±0.3% RO
Hysteresis :	Within±0.3% RO
Repeatability :	0.3% RO or less
Rated Output :	5 mV/V (10000μm/m)±0.3%

Environmental Characteristics

Safe Temperature Range :	-10 to 70°C (noncondensing)
Compensated Temperature Range :	0 to 60°C (noncondensing)
Temperature Effect on Zero Balance :	Within±0.02% RO/°C
Temperature Effect on Output :	Within±0.02%/°C

Electrical Characteristics

Safe Excitation Voltage :	6V AC or DC
Recommended Excitation Voltage :	1 to 4V AC or DC
Input Resistance :	350Ω±1%
Output Resistance :	350Ω±1%
Cable :	4-conductor (0.065mm²) vinyl shielded cable,
	4 mm diameter by 2 m long, terminated with connector plug

Mechanical Properties

Frequency Response Range :	DC to approx. 2 Hz
Measuring Force :	Approx. 5.9 N
Weight :	Approx. 560g (not including cable)

Optional Accessories (For details, refer to page 2-150.)

Extension rod EB-300
Replacement probes X/XS/SH
Magnet base MB-B

Notes:
1. Initial unbalance with the rod fully extended is approximately -5000 to -6000μm/m.
2. Avoid usage in vibration.
3. If large displacement is applied momentarily, it takes some time that output is settled.
4. Do not apply any displacement in other than expansion/contraction direction of the rod.

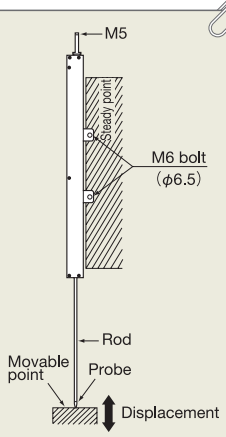
Excellent Temperature Characteristics and Highly Accurate with Nonlinearity ±0.3%RO

●Large output by 5 mV/V (10000 μm/m)
●Both tention and compression
●Graduated

The high rated capacity of 200 mm makes this transducer widely applicable for measurement of structural relative displacement or absolute displacement from a steady point.

To Ensure Safe Usage

Fix the transducer to the steady point using 2 M6 bolts.



Dimensions