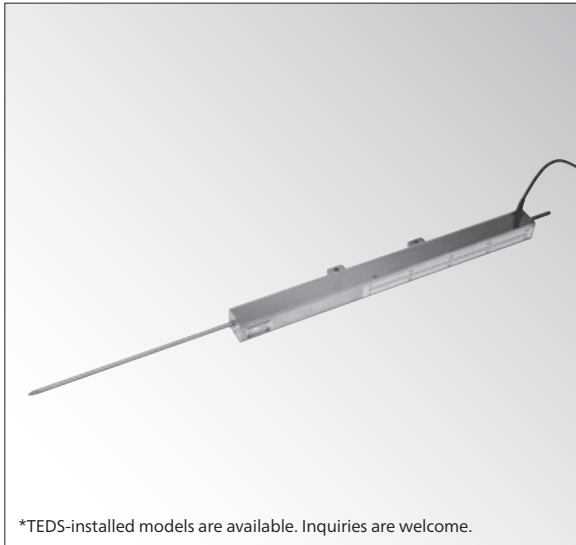


# DTJ-A-200

● Large Output 5 mV/V ● 200 mm

## Displacement Transducer



\*TEDS-installed models are available. Inquiries are welcome.

### Excellent Temperature Characteristics and Highly Accurate with Nonlinearity $\pm 0.3\%RO$

- Large output by 5 mV/V
- Both tension 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.

#### Specifications

##### Performance

Rated Capacity	200 mm
Nonlinearity	Within $\pm 0.3\% RO$
Hysteresis	Within $\pm 0.3\% RO$
Repeatability	0.3% RO or less
Rated Output	5 mV/V $\pm 0.3\%$

##### Environmental Characteristics

Safe Temperature	-10 to 70°C (Non-condensing)
Compensated Temperature	0 to 60°C (Non-condensing)
Temperature Effect on Zero	Within $\pm 0.02\% RO/^{\circ}C$
Temperature Effect on Output	Within $\pm 0.02\%/^{\circ}C$

##### Electrical Characteristics

Safe Excitation	6 V AC or DC
Recommended Excitation	1 to 4 V AC or DC
Input Resistance	350 $\Omega \pm 1\%$
Output Resistance	350 $\Omega \pm 1\%$
Cable	4-conductor (0.065 mm <sup>2</sup> ) vinyl shielded cable, 4 mm diameter by 2 m long, terminated with connector plug PRC03-12A10-7M (Shield wire is not connected to the case.)

##### Mechanical Properties

Frequency Response	DC to approx. 2 Hz
Measuring Force	Approx. 5.9 N
Weight	Approx. 560 g (Excluding cable)

##### Optional Accessories (For details, see page 2-159.)

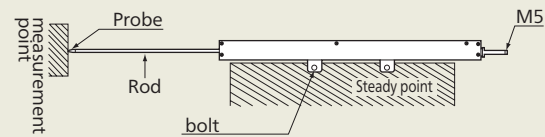
Extension rod EB-50, EB-100, EB-200, EB-300  
Replacement probes X, XS, SH  
Magnet base MB-B

##### Notes:

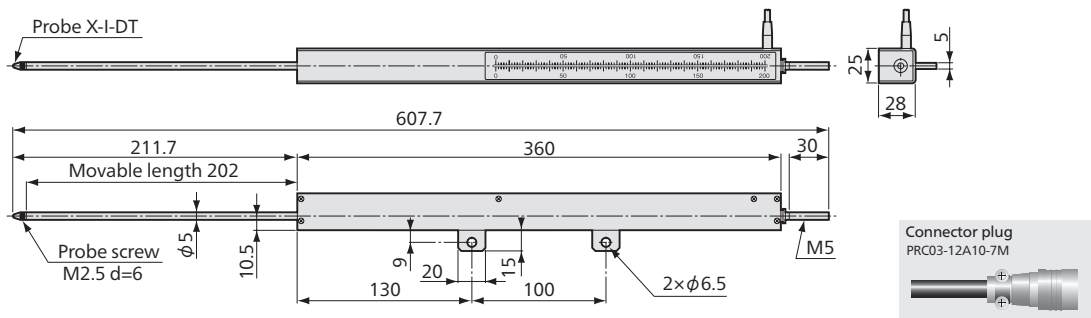
1. Initial unbalance with the rod fully extended is approximately 2.5 to 3 mV/V
2. Avoid usage in vibration.
3. If large displacement is applied momentarily, it takes some time that output is settled.
4. Do not apply any displacement in other than expansion/contraction direction of the rod.

#### To Ensure Safe Usage

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



#### Dimensions



● Static measurement ● Dynamic measurement

