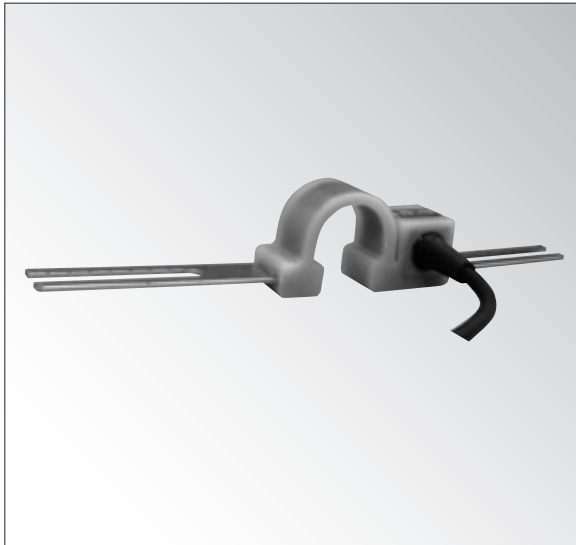


BCD-5B

Crack Displacement Transducer

- Displacement Measurement
- ± 5 mm



Easy to install even on a weak rock-bed for accurate measurement.

The BCD-5B crack displacement transducer is designed to measure cracks occurring in concrete structures and rock-beds of mines and quarries. Conventional crack displacement transducers have large measuring force and cannot ensure high measuring accuracy unless mounted solidly. Furthermore, they are difficult to install on a weak rock-bed. By contrast, the BCD-5B provides an extremely small measuring force and is easy to install even on a weak rock-bed for accurate measurement.

Specifications

Performance

Rated Capacity	± 5 mm
Nonlinearity	Within $\pm 2\%$ RO
Hysteresis	Within $\pm 2\%$ RO
Repeatability	2% RO or less
Rated Output	1 mV/V $\pm 5\%$

Environmental Characteristics

Safe Temperature	-10 to 60°C
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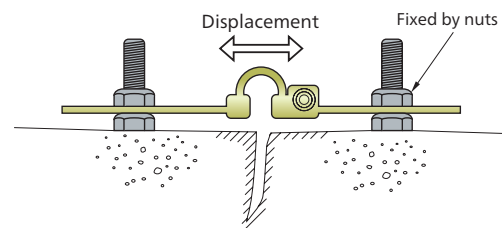
Electrical Characteristics

Safe Excitation	10 V AC or DC
Recommended Excitation	2 to 10 V AC or DC
Input Resistance	350 Ω $\pm 2\%$
Output Resistance	350 Ω $\pm 2\%$
Cable	4-conductor (0.3 mm ²) chloroprene shielded cable, 7.6 mm diameter by 1 m long, bared at the tip (Shield is not connected to the case.)

Mechanical Properties

Safe Overloads	150%
Measuring Force	Approx. 9.8 N up to 5 mm
Weight	Approx. 200 g (Excluding cable)

Application Example



Dimensions

