BJB-C-S/D-S/E-S

Displacement Transducer



3 models are available for selection of the most suitable one.

- BJB-C-S series is suitable for ordinary measurement of rock-bed displacement.
- BJB-D-S series is available with high rated capacities and is suitable for measurement of the settlement of soft ground.
- •Slender BJB-E-S series is suitable for embedment in a boring and for rock-bed displacement measurement in NATM.

The BJB-C-S, BJB-D-S and BJB-E-S series displacement transducers are used as detectors for measurement of rock-bed displacement and ground settlement. Varieties of models are available for selection of the most suitable one based on the measuring range, dimensions and field situations.

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within ±2% RO
Hysteresis	Within ±1% RO
Rated Output	Approx. 1 mV/V

●Displacement Measurement ●50 to 2000 mm

Environmental Characteristics

Safe Temperature	-20 to 70°C	
Compensated Temperature	-10 to 60°C	
Temperature Effect on Zero	Within ±0.1% RO/°C	
Temperature Effect on Output	Within ±0.1%/°C	

Electrical Characteristics

Recommended Excitation	10 V AC or DC
Input Resistance	350 Ω ±2%
Output Resistance	350 Ω ±2%

Cable 4-conductor (0.5 mm²) chloroprene cable, bared at the tip

Models	Diameters (mm)	Cable Length (m)
BJB-C-S	11.5	1
BJB-D-S	11.5	2
BJB-E-S	8	1

Mechanical Properties

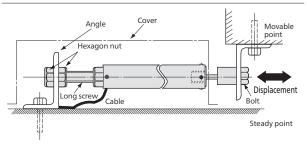
Safe Overloads	120% (110% with BJB-D-S)
Measuring Force	Approx. 150 N or more

^{*}Various mounting fixtures extend the application range. For details, contact a Kyowa sales representative.

^{*}For ordinary displacements, see pages 2-149 to 2-163.

Models	Rated Capacity	L (mm)	Remarks	
BJB-C-100S	100 mm	455	With coupler	
BJB-C-200S	200 mm	640	with coupler	
BJB-D-500S	500 mm	1144	Used as detector of SVC, SVM, SDD	
BJB-D-1KS	1000 mm	1859		
BJB-D-2KS	2000 mm	3289		
BJB-E-50S	50 mm	417	· With coupler	
BJB-E-100S	100 mm	416		

Installation Example



Dimensions

