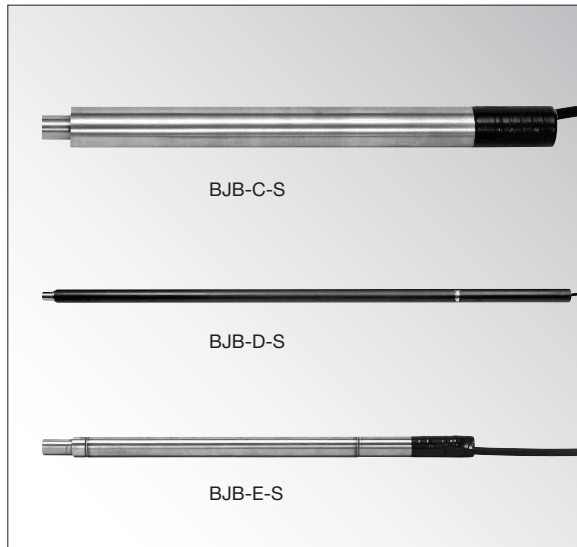


BJB-C-S/D-S/E-S

Displacement Transducers

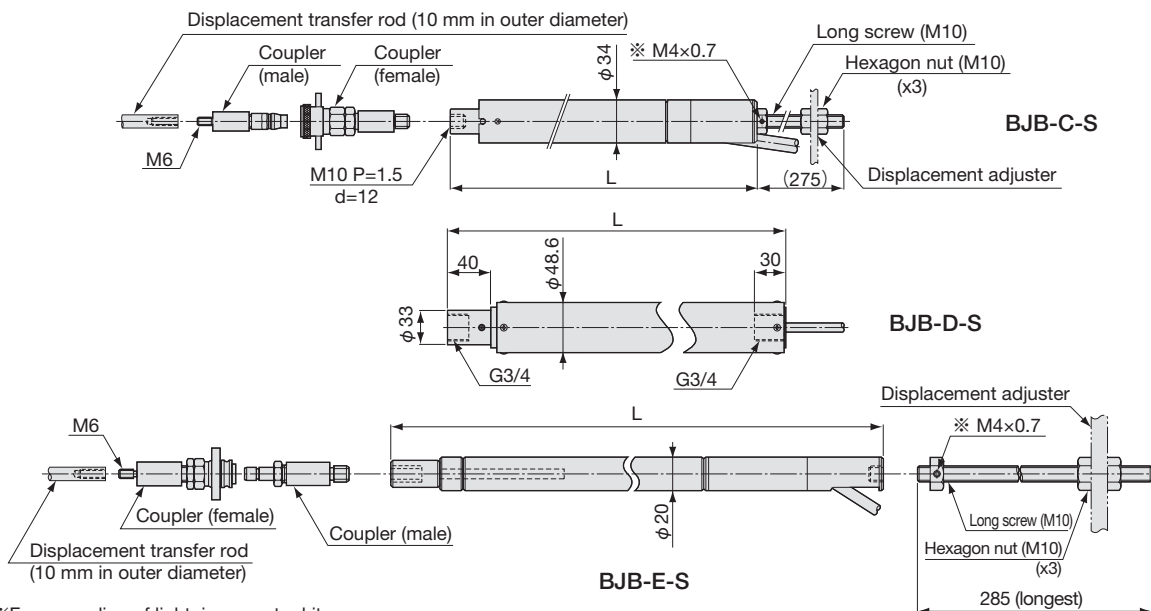


3 models are available for selection of the most suitable one.

- 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.

Dimensions



※For grounding of lightning arrester kit.

●Displacement Measurement ●50 to 2000 mm

Specifications

Performance

Rated Capacity :	See table below
Nonlinearity :	Within±2% RO
Hysteresis :	Within±1% RO
Rated Output :	1 mV/V (2000μm/m) or more

Environmental Characteristics

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

Electrical Characteristics

Recommended Excitation Voltage :	10V AC or DC	
Input Resistance :	350Ω±2%	
Output Resistance :	350Ω±2%	
Cable : 4-conductor (0.5 mm ²) chloroprene cable, bared at the tip		
Model	Diameter (mm)	Cable Length (m)
BJB-C-S	11.5	1
BJB-D-S	11.5	2
BJB-E-S	8	1

Mechanical Properties

Safe Overload Rating :	120% (110% with BJB-D-S)
Measuring Force :	Approx. 78 N

※ Various mounting fixtures extend the application range. For details, contact a KYOWA sales representative.
 ※ For ordinary displacements, refer to page 2-133 to 143.

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

Installation Example

