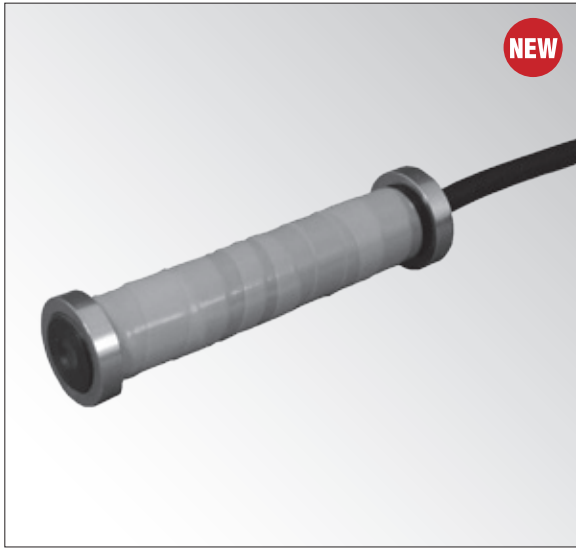


BSL-A-90TSA2

Low-elasticity Strain Transducer



Being small in appearance elasticity coefficient, it can measure strain from young material age.

- Large capacity of $\pm 6000 \mu\text{m}/\text{m}$
- Rated output of 4 mV/V or more (From minus to plus rated output)
- Great temperature characteristics
- With temperature measurement function
- The flange can be removed

- Strain Measurement ● $\pm 6000 \mu\text{m}/\text{m}$
- With Temperature Measuring Function

Specifications

Performance

● Strain Measurement	
Rated Capacity	$\pm 6000 \mu\text{m}/\text{m}$
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Rated Output	4 mV/V (From minus to plus rated output)
● Temperature Measurement	
Rated Capacity	-30 to 70°C

Environmental Characteristics

Safe Temperature	-30 to 80°C
------------------	-------------

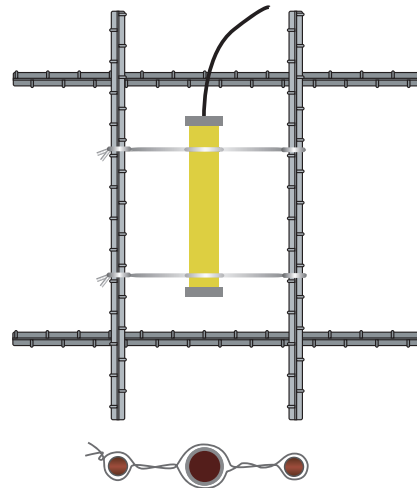
Electrical Characteristics

Recommended Excitation	2 to 10 V AC or DC
Input Resistance	$350 \Omega \pm 2\%$ at 0°C
Output Resistance	$450 \Omega \pm 2\%$ at 0°C
Cable	4-conductor (0.3 mm ²) chloroprene shielded cable, 1 m diameter by 1 m long, bared at the tip

Mechanical Properties

Instrument Length	90 mm
Safe Overloads	120%
Apparent Linear Expansion Coefficient	Approx. 20 MPa
Weight	Approx. 90 g (Excluding cable)

Application Example



Dimensions

