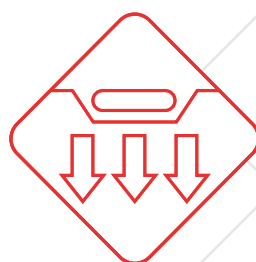




## **Electrical displacement transducer for rod strain gauges**



[www.pizzi-instruments.it](http://www.pizzi-instruments.it)

Instruments and Systems for Geotechnical and Structural Monitoring

## Electrical displacement transducer for rod strain gauges



### Description

The electrical displacement transducer is a sensor that is proposed by us for the control of relative movements between two points. Due to its small size (diameter) it is particularly used for single or multiple bar strain gauge applications. In this case, a sensor is applied on each bar, making the measurement automatic. Made entirely of stainless steel, they are equipped with appropriate fittings for correct installation on the strain gauge head. They are available with different full scales.

Connected by means of a three-wire electrical cable, they allow measurement from a remote location, either manually or automatically.

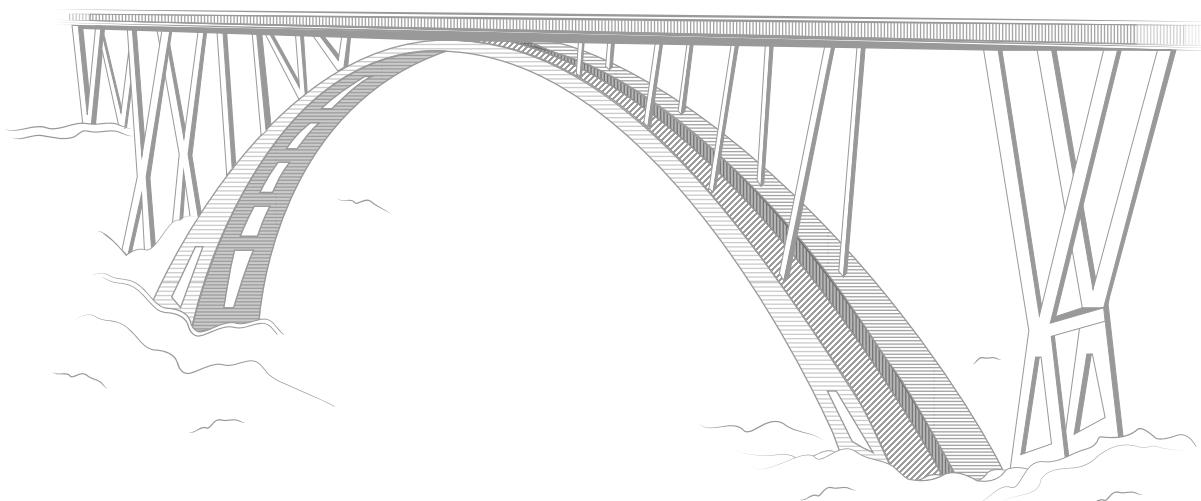
## Technical specifications

	Stroke 50 mm	Stroke 150 mm
Type of sensor	Potentiometric	Potentiometric
Measuring range	50 mm	150 mm; campo upper field on request
Linearity	+/- 0,1% F.S	+/- 0,1% F.S
Resolution	dependent on the reading system	dependent on the reading system
Repeatability	0,01 mm	0,01 mm
Output signal	voltage; 4-20mA	voltage; 4-20mA
Protection	IP65	IP65
Maximum applicable voltage	40 Volt	40 Volt
Operating temp.	-20.....+80 °C	-20.....+80 °C
Diameter	16 mm	16 mm

## The Company

For over 40 years we have been producing precision and large facility monitoring instruments sold throughout the world.

Accuracy in design, efficiency in construction, reliability in management; these are the prerogatives that every major work must have and that Structural Monitoring Systems must guarantee.



### Technical assistance

If you have any requests or questions about our instruments or if you have special needs that require different solutions from the standard, please contact us. Our team will provide all the necessary information and will be very happy to work with you to study, develop and customize instruments and solutions suitable for your specific needs.

All data present in the sheets could change without notice.

Please check the release carefully and for more details contact Pizzi Instruments.

**Pizzi Instruments S.r.l.**  
Via del Fornaccio, 46  
50012 - Vallina - FI - Italia

Phone/Fax : +39 055 6810722  
[info@pizzi-instruments.it](mailto:info@pizzi-instruments.it)  
[www.pizzi-instruments.it](http://www.pizzi-instruments.it)

