

RESISTIVE STRAIN GAUGE

Description

The resistive strain gauges are used to measure the stress in load-bearing structures or to monitor the tensions in tunnel linings, during tunnel excavation phases. Such control is necessary for the verification of the tensions and deformations of both temporary and permanent retaining structures.

The strain gauge sensors are installed in the center of the bar according to a particular disposition that allows compensation of the electrical signal from thermal and bending effects.

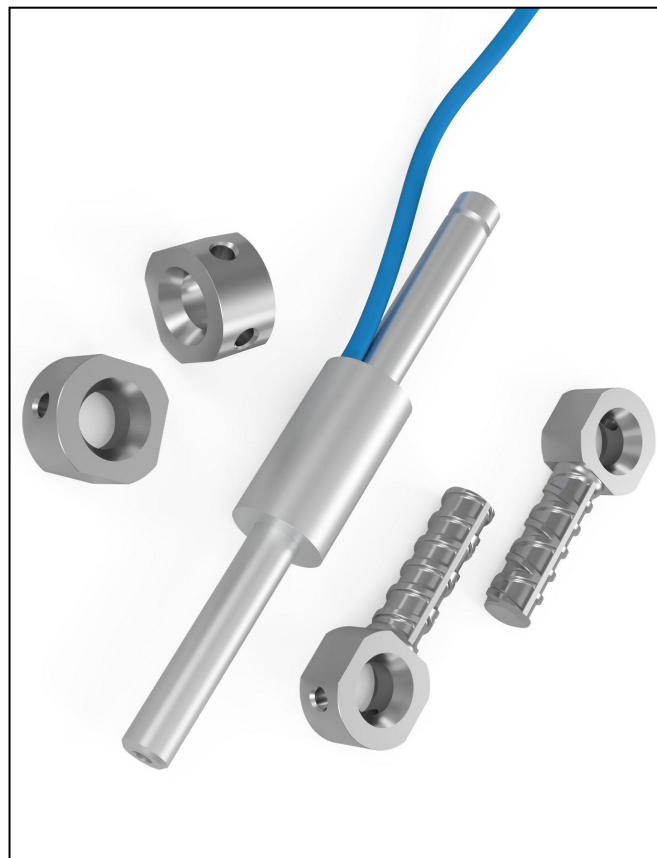
The gauge can work both in tension and compression and the part is potted in order to allow the instrument to work in case of embedding or stress.

Data can be read through the portable control unit or by using an automatic data acquisition system, designed to provide continuous monitoring.

The gauge can work both in tension and compression, and is also watertight and can be installed externally in stressed structures or embedded in concrete castings.

Please specify

CODE	PRODUCT DESCRIPTION
BCR-100	Resistive strain gauge



Technical specification

Sensor type	full bridge
Material	aluminium
Range	+/- 1500 $\mu\epsilon$
Accuracy	+/- 0.5% FS
Sensibility	2 mV/V
Power	2-15 Vdc
Signal output	mV/V
Dimensions	d. 25 mm - L. 150 mm
Temp. Compensation	-10...+60 °C
Class of protection	IP67

For more information:

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