Gestecno INSTRUMENTS FOR GEOTECHNICAL AND STRUCTURAL MONITORING

DATASHEET

WIRE DISPLACEMENT SENSOR

Description

Wire displacement sensors are used to detect and control any movements that occur in landslides or in unstable rock masses. The tool essentially consists of a box containing a rotatory potentiometer and tensionator for the steel cable, and an anchor that has to be fixed at the second reference point. A steel cable is stretched with constant voltage between the two reference points of the instrument. The maximum length of the steel cable may be up to 10 metres.

Applications

- Monitoring large displacements
- Testing of floors and coverings
- Monitoring topple landslides
- Convergence measurements

Features

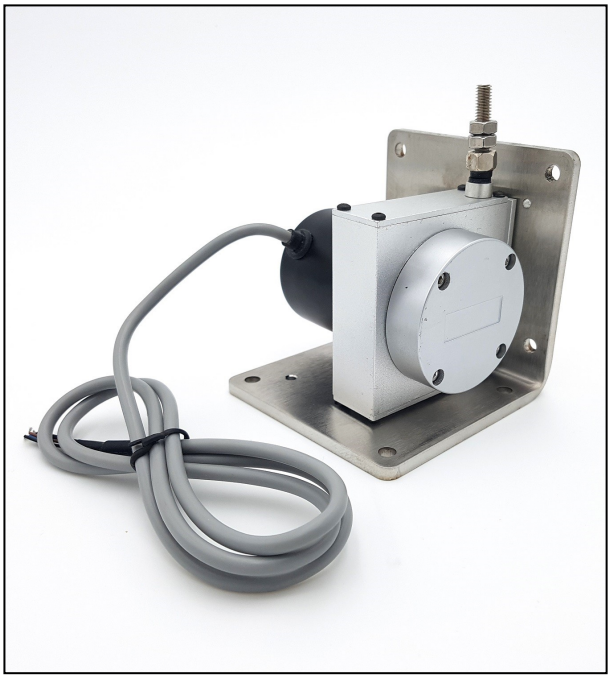
- Reliability on long time monitoring
- High resolution and accuracy
- Class of protection IP67
- Sturdy construction, also suitable for harsh environments
- Easy to install

Technical specifications

Sensor Type	potentiometric
Measurement range	from 50 mm to 1250 mm
Resolution	infinity
Linearity	<0.25% F.S.
Total Accuracy	<0.5% F.S.
Operating temperature	-20…..+80 °C
Output signal	potetiometric, 4-20 mA
Power	5-30 Vdc
Class of protection	IP65
Dimensions	150x60x60 mm
Material	aluminium

Accessories and spare parts

- Installation accessories
- invar steel extension cable
- IP66 connector



Please specify

CODE	PRODUCT DESCRIPTION
TSF-050	Wire crackmeter, output voltage, FS 50 mm
TSF-100	Wire crackmeter, output voltage, FS 100 mm
TSF-500	Wire crackmeter, output voltage, FS 500 mm
TSF-800	Fixing plate for wire crackmeter
TSF-900	Invar steel wire
CAV-040	Electrical cable 4x24 AWG green

For further information:

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