DATASHEET

TILTMETER (MEMS 0-5 Volt)

Description

Tiltmeters are used to monitor changes in the inclination of structures, walls, retaining walls, rock masses, and to assess the behavior of bridges or loaded beams. A dual-axis MEMS-type sensor, this tool detects the angular variation of structures, providing useful information regarding rotational movements.

Accessories required for mounting

on both horizontal and vertical supports are provided.

Applications

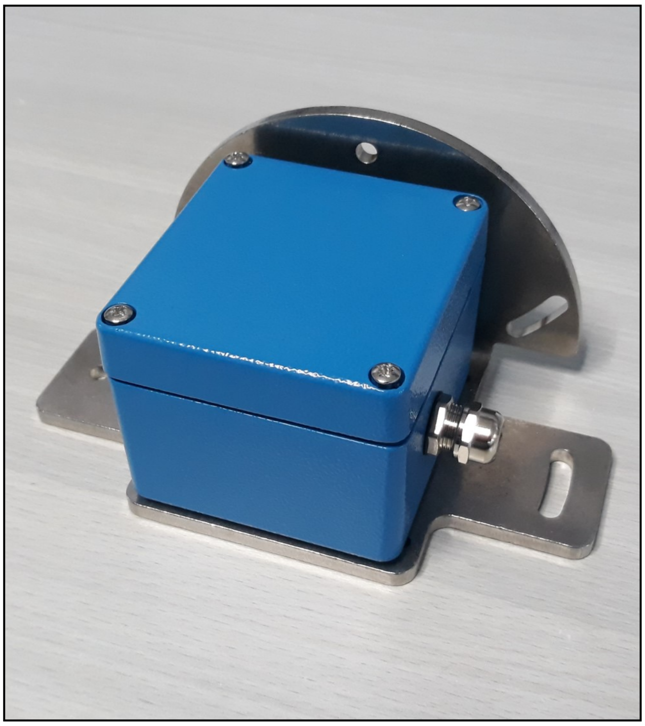
- Monitoring of concrete structures, beams and columns
- Historical builings
- Retaining walls
- Monitoring of steel structures
- Concrete dams
- Wind blades
- Ground subsidence
- Landslides monitoring

Features

- Reliability on long time monitoring
- Precision and resistance
- Degree of protection IP67
- Sturdy construction, also suitable for harsh environments
- Vertical and horizontal installation
- Easy to install

Technical Specifications

	F.S. +/- 10°	F.S. +/- 30°
Sensor	MEMS biaxial	MEMS biaxial
Range	+/- 10°	+/- 30°
Power supply	7-16 Vdc	7-16 Vdc
Resolution	0,001°	0,005°
Accuracy	< 0,2% F.S.	< 0,5% F.S.
Output signal	0,5-4,5 Volt	0,5-4,5 Volt
Long term stability	< 0,02°	< 0,02°
Protection class	IP67	IP67
Operating temperature	-40…..+85 °C	-40…..+85 °C
Dimensions	80*75*57 mm	80*75*57 mm
Container material	aluminium	aluminium



Accessories and spare parts

- Shelf for the installation on vertical walls
- Shelf for the installation on inclined walls
- Cut-to size signal cable

Please Specify

CODE	PRODUCT DESCRIPTION
NICLV110	Tiltmeter FS +/- 10°
NICLV130	Tiltmeter FS +/- 30°
NICLV200	Shelf for the installation on vertical walls
NICLV220	Shelf for the installation on inclined walls
NICAV040	4x0.22 cable (please specify the lenght)

For further information

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