

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. Gestecno also provides the accessories required for mounting on both horizontal and vertical supports.



Applications

- Monitoring of concrete structures, beams and columns
- Historical buildings
- 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

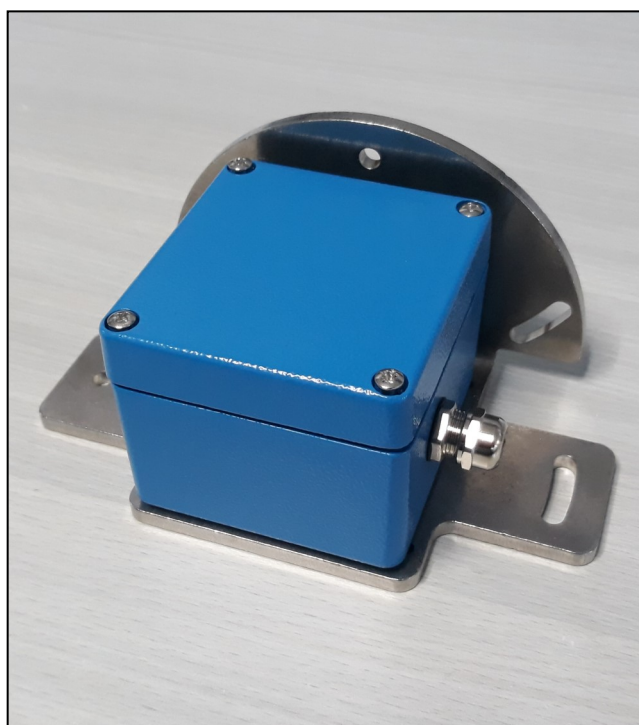
	F.S. +/- 10°	F.S. +/- 30°
Sensor	MEMS biaxial	MEMS biaxial
Range	+/- 10°	+/- 30°
Power supply	7-16 Vdc	7-16 Vdc
Resolution	0,001°	0,005°
Accuracy	< 0,2% F.S.	< 0,5% F.S.
Output signal	0,5-4,5 Volt	0,5-4,5 Volt
Long term stability	< 0,02°	< 0,02°
Protection class	IP67	IP67
Operating temperature	-40.....+85 °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
CLV-110	Tiltmeter FS +/- 10°
CLV-130	Tiltmeter FS +/- 30°
CLV-200	Shelf for the installation on vertical walls
CLV-220	Shelf for the installation on inclined walls
CAV-040	4x0.22 cable (please specify the lenght)



For further information

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