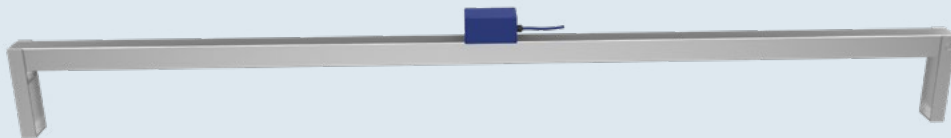


IN923

Beam tiltmeter



Wall mounting



Pavement mounting

Description

The beam tiltmeter has been designed in order to keep under constant control, structures affected by rotations of any kind and provide them with an adequate monitoring and alarm system. Equipped with a servoaccelerometer sensor or electrolytic sensor, this instrument detects the angular rotations of the structures and is supplied, with special brackets for wall mounting. It is available in a single-axial version or in a biaxial version.

The beam tiltmeter are normally mounted in series on the special aluminum beams 1,2 or 3 meters long in order to create a chain.

Every sensor is provided with a calibration certificate that attests the results of the test performed and all electromechanical features.

Manual read out with DATAVIEW.

Automatic read out with MINILOG, MYLOG.

Readout units with NATUN.

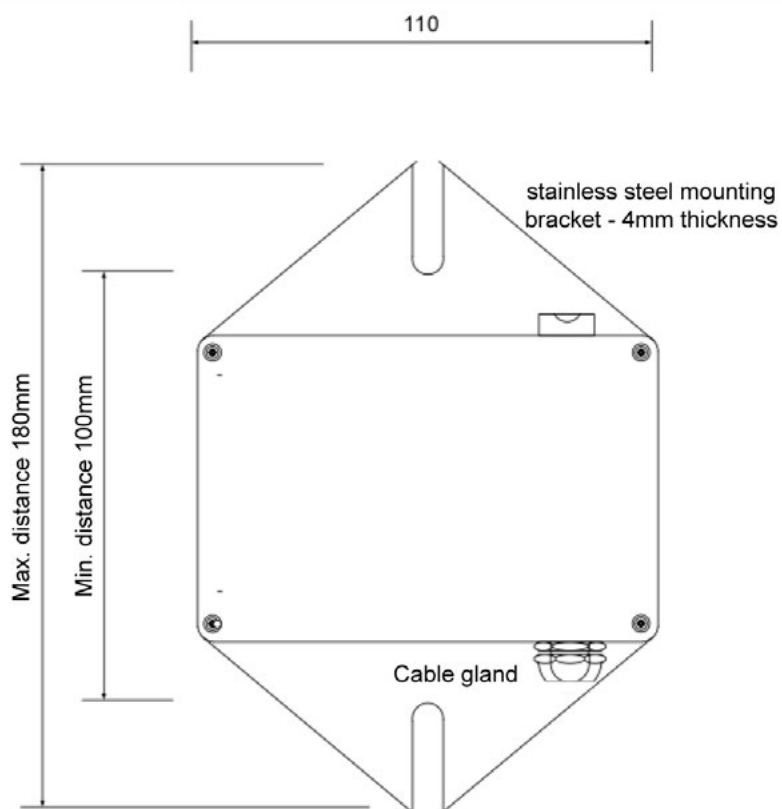
Applications

Structural monitoring in civil and industrial buildings, tracks, etc.



IN923

Beam tiltmeter



Technical features

| Model | IN923-SV-V-XX-FS* | IN923-EL-A-XX-FS* |
|-------------------------|---|--|
| Sensor | Servoaccelerometer | Electrolytic |
| Range | $\pm 1^\circ, \pm 14.5^\circ, \pm 30^\circ$ | $\pm 5^\circ, \pm 10^\circ, \pm 15^\circ$ |
| Supply | $\pm 15V_{cc}$ | 9-24 Vcc |
| Output | $\pm 5000 mV$ | 0.5-4.5V |
| Consumption | $< 25mA$ (mono) | 30 mA |
| Linearity | $< 0.05\% \times \pm 1^\circ$ $< 0.02\% \times \pm 14.5^\circ, \pm 30^\circ$ | 0.25% |
| Sensitivity | 0.001 % | 0.01° |
| Repeatability | $< 0.002 V$ | 0.001° |
| Temperature sensitivity | 0.0005 V/°C | 0.02% /°C |
| Operating temperature | -40 ÷ 80°C | -20 ÷ 70°C |
| Protection | IP65 | IP65 |
| Material | Box Brackets | Polyester reinforced with glass fiber Stainless Steel |
| Dimensions | 180x111x60 mm (with mounting bracket) | |
| Weight | 0.875 Kg (with mounting bracket) | |

Accessories

| | |
|------------------------------|-------------------|
| Temperature sensor | WE710-CN |
| 1 mt beam | IN923-01 |
| 2 mt beam | IN923-02 |
| 3 mt beam | IN923-03 |
| Wall mounting kit | IN923-STMU |
| Pavement mounting kit | IN923-STTE |

- *FS Indicate the range
- *XX Indicate -MO for uniaxial or -BI for biaxial
- ** For additional information on the technical features, refer to the MYLOG technical data sheet.