

NOVA TB15

Monoaxial / Biaxial inclinometer



Wall tilt-meters are used to monitor changes in the **inclination of structures**, walls, retaining walls, rock masses and for evaluating the behavior of bridges and beams subject to load.

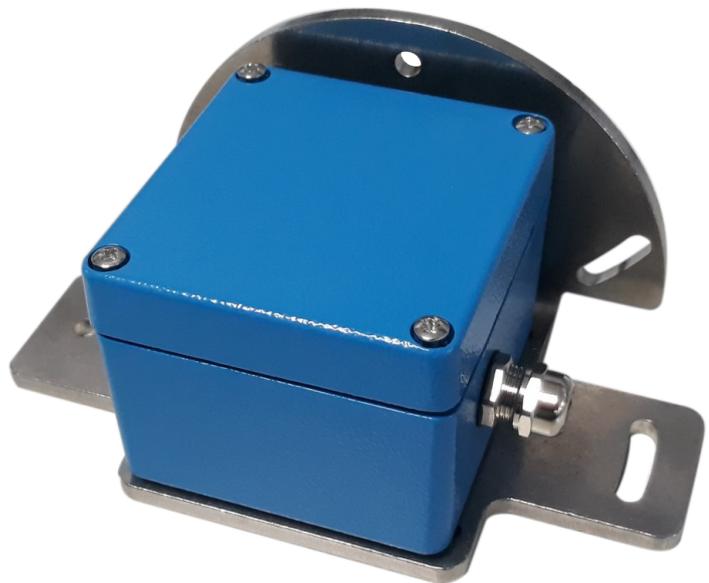
Equipped with a biaxial MEMS sensor, this instrument detects the **angular variations** of the structures, providing useful indications about the rotational movements of the same.

Advantages:

- Particularly suitable for long-term monitoring or load tests;
- Accuracy and resistance;
- IP67 protection degree;
- Vertical and horizontal installation;
- Ease of assembly;
- Compatible with the “NB-IoT 5G DATA ACQUISITION SYSTEM” and with the “NOVALog” data acquisition control unit.

Applications:

- Monitoring of concrete structures;
- Load tests on bridges and viaducts;
- Historical buildings;
- Containment walls;
- Monitoring of steel structures;
- Concrete dams;
- Wind towers;
- Land subsidence;
- Monitoring of landslides.



Technical features:

	0-5 Volt	4-20 mA
Sensor	MEMS digital 3D	MEMS digital 3D
Range	da +/-5° a +/-90°	da +/-5° a +/-90°
Power supply	8 – 16 Vdc	8-16 Vdc
Resolution	≤ 0.001% F.S (≤ 0.001°)	≤ 0.001% F.S (≤ 0.001°)
Accuracy	≤ 0.02% F.S.	≤ 0.02% F.S.
Repeatability	≤ 0.01% F.S. (+/-0,01°)	≤ 0.01% F.S.(+/-0,01°)
Output signal	0-5 Volt	4-20mA
Temperature stability	≤ 0.01°/°C	≤ 0.01°/°C
Long-term stability:	< 0.01°	< 0.01°
Protection class	IP67	IP67
Operating temperature	-40 ~+80 °C	-40 ~ +80 °C
Dimensions	80x75x57 mm	80x75x57 mm
Housing material	Die-cast aluminum	Die-cast aluminum

Accessories:

Standard

- Biaxial MEMS wall inclinometer

Optional

- Grommet with electric cable cut to size
- M12 4Pin Connector