

TECHNICAL FEATURES

- ✓ Measuring range: +/-5°, +/-10°, +/-30°;
- ✓ Type of sensor: Biaxial MEMS;
- ✓ Supply voltage: 32 Vdc;
- ✓ Output signal: tilt angle in degrees, digits, $\sin \alpha$;
- ✓ Accuracy: +/-0.17 mm/m, +/-0.34mm/m, +/-1.04 mm/m;
- ✓ Thermal drift: +/- 0.3%/°C;
- ✓ Protection level: IP68;
- ✓ Operating temperature: -40 °C to +85°C;
- ✓ Type of installation: horizontal;
- ✓ Case material: aluminium or PVC;
- ✓ Thermistor integrated: NTC.



The MEMS digital tiltmeter is a precision instrument that measures tilting change of the structure onto which it is fixed.

It is mainly used to monitor building walls, overpass piles, embankments, rock walls, and railways lines.

It consists of a body in aluminium or polycarbonate that contains two MEMS type tilt sensors set orthogonally to each other, whose output signal is proportional to the instrument's tilting angle with reference to the horizontal plane.

It can either be fixed to a variable

length aluminium bracket or to a single ball joint support for ideal space positioning.

The output signal is digital RS485. The digital RS485 signal offers the advantage of simplifying the cabling with one single 4 wire cable for communication and supply to each sensor.

We reserve the right to carry out modifications to our products and their specifications

CE product compliant with European directives

DIMENSIONS

Case dimension	78x72x57 mm
Case material	painting aluminium / polycarbonate

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company quality management
system certified according to UNI EN
ISO9001:2015

