

SENSOR TECHNICAL FEATURES

- ✓ Sensor: MEMS biaxial;
- ✓ Full scale: +/- 30°;
- ✓ Resolution: 0.0005°;
- ✓ Accuracy: +/- 0.004°;
- ✓ Repeatability: +/- 0.002°;
- ✓ Output: sine of the angle;

REEL TECHNICAL FEATURES

- ✓ Communication: Bluetooth;
- ✓ Autonomy: minimum 15 hrs straight;
- ✓ Power supply: Ni-MH 12V 1000 mAh rechargeable batteries;
- ✓ Reel dimensions: 310 mm (from 30 to 50 m), 380 mm (100 m).

SYSTEM TECHNICAL FEATURES

- ✓ Accuracy: +/- 3 mm/30 m;
- ✓ Repeatability: +/- 1 mm/30 m.

SMARTPHONE AND APPLICATION TECHNICAL FEATURES

- ✓ Model: CAT S42;
- ✓ Dimensions and weight: 161.4x77.3x12.7mm, 220 g;
- ✓ Protection: IP 68;
- ✓ Battery: 4200 mAh.



The removable inclinometer system is used to measure ground horizontal movements at various depths in landslides, dams, earthfill dams, excavations, unstable slopes and embankments.

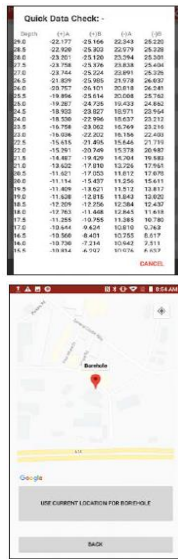
The monitoring is done by inserting a probe in inclinometer tubes installed vertically and by taking readings at established depths.


This defines the tilt angle of the tube for each position measured as well as the horizontal movement of the structure over time.

The system is made up of an inclinometer probe with two MEMS

sensors placed orthogonally to each other and a graduated measuring cable. Bluetooth communication between the inclinometer probe and a smartphone makes the system very convenient and practical.

A smartphone special application ensures step-by-step correct methodology in the measurement, and data display for immediate check, graphics display of the readouts and GPS coordinate for the borehole location.



 product compliant with European directives

PROBE TECHNICAL FEATURES	
Body	AISI 316 steel
Weight	1.32 kg
Operating temperature:	from -40° to +85° C
Dimensions	680 mm, diameter 25 mm
slider distance	500 mm
Protection	IP 68 (24 bar)

CABLE TECHNICAL FEATURES	
Material	Polyurethane
Diameter	7.5 mm
Weight	5.8 kg/100 m
Ultimate tensile strength	400 kg
Depth marks	every 500 mm

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company quality management
system certified according to UNI EN
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We reserve the right to carry out modifications to our products and their specifications