

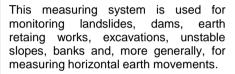
TECHNICAL FEATURES SENSOR

- Operating principle: MEMS;
- Type of sensor: biaxial;
- Power supply: double +/- 12 V DC;
- Full scale: +/- 15°, +/- 30°;
- Resolution: 20'000 or 25'000 sin α .
- Non linearity: <0,1% F.S.;
- Total accuracy of system: +/-3mm/30m;
- Output impedance: 100 Ω +/- 5.



TECHNICAL FEATURES DEDICATED DATALOGGER

- ✓ Dysplay: LCD backlit;
- Keyboard: with 5 multi-function keys;
- Acquisition key: external;
- Battery charger: external;
- Autonomy: 12 hours;
- Holder: in ABS;
- Battery: 6 V 4 Ah;
- Connectors: Amphenol;
- Driver: for WIN2000/XP/VISTA/7.



Inclinometric measurement is obtained by inserting a probe with high-precision MEMS sensors into an inclinometer casing in a vertical borehole.

This allows the casing's angle of slope to be established as well as the horizontal earth movement over time.

The inclinometric system consists of an inclinometric probe equipped with a MEMS sensor, a dummy probe to establish the condition of borehole, a graduated measuring cable and casing clamp witch, positioned at the top of the borehole, allow the measurements to be



	PROBE FEATURES
Body	stainless steel, diameter 30 mm
Weight	1.85 kg
Wheels	on bearing
Compatible	with ABS/PVC pipe inside diameter 72 mm
Pitch	1000 mm
Connector	conforms with MIL C26482
Arms	Breakable with 65 Kg force

	CABLE SPECIFICATIONS	
Material	Polyurethane sheath	
Anti-twist sheath	in stainless steel	
Sheath Anti-torsion	on bearing	
Steel core	2.5 mm diameter	
Conductors	6 x 0.5 mm tinned copper	
Measurement notches	crimped, in tin-plated copper every 50 cm, with meter reference every 10 notches	
Ultimate tensil strenght	600 kg	
Cable reel	on wheels, diameter 40 cm	

		DATALOGGER FEATURES
Weight	2.85 Kg	
Dimensions	28 x 26 x 12 cm	