TECHNICAL FEATURES OF THE STRAIN GAUGE SENSOR

- ✓ Type of sensor: high performance contactless displacement transducer;
- ✓ Measuring range: +/- 50 mm;
- ✓ Power supply: 24 Vdc;
- ✓ Output signal: 0-10 V DC;
- ✓ Resolution: 0.01 mm;
- ✓ Accuracy: <+/- 0.25% F.S.;
- ✓ Non linearity: <0.5% F.S.

TECHNICAL FEATURES OF THE TEMPERATURE SENSOR

Type of sensor: NTC thermistor;

- ✓ Measuring range: -55°C +150°C;
- ✓ Resolution: 0.1°C;
- ✓ Accuracy: +/- 0.5°C.

CE product compliant with

The extensometer probe is designed to take readings of height at a preset depth inside extensometer tubes.

The instrument consists of a cylindrical body in stainless steel with sliders for positioning inside the tubing. The displacement transducer detects local movements (along the main axis of the probe) of the magnetic reference ring fastened to the outside of the extensometer tube and tight onto the structure/ground into which it is cemented.

These instruments are used for continuous monitoring of terrain settlement sections and are applied especially in landslides and unstable slopes, rock formations, tunnels, dams and levees, foundation posts, bullheads and embankments.

DIMENSIONS OF THE PROBE	
Case material	AISI 316 stainless steel
Probe dimensions	diameter 30 mm, length 1400 mm
slider pitch	100 mm
slider material	AISI 316 stainless steel with wheels in fibre 1000 mm pitch
Maximum diameter	38 mm
Maximum length	1230 mm