

**TECHNICAL FEATURES**

- ✓ Type of sensor: piezoelectric;
- ✓ Standard range: 1, 2, 5, 10, 20 m;
- ✓ Output signal: 4-20 mA;
- ✓ Power supply : 8-32 V DC;
- ✓ Accuracy: <0,2% F.S.;
- ✓ Resolution: 0,01% F.S.;
- ✓ Operating temperature: from -20 to +60 °C;
- ✓ Protection level: IP 68;
- ✓ Reel material: stainless steel;
- ✓ Hydraulic tubing material: polyethylene;
- ✓ Reference notches on the tubing: every meter.



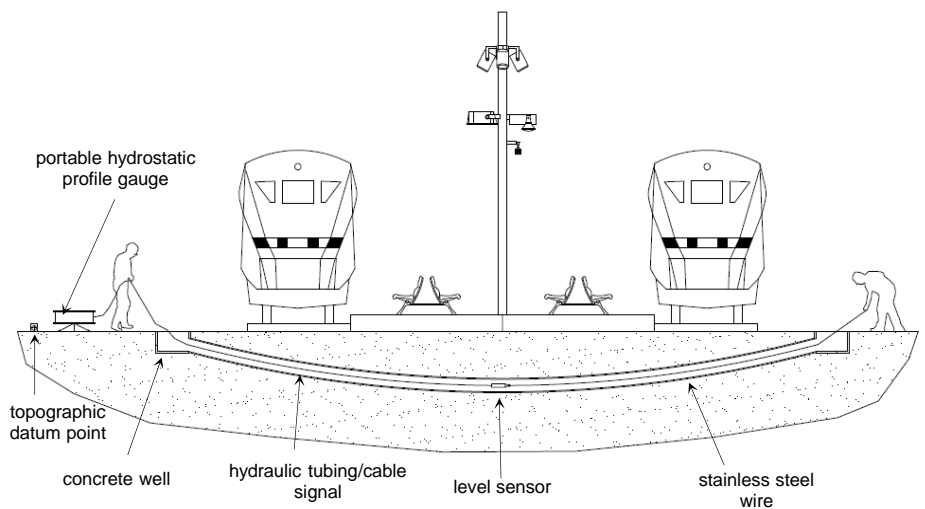
The portable hydraulic profile gauge is designed to monitor ground subsidence or bulging in landfills, levees and dams, bridges, ground under storage tanks, building land for foundations, structures in the proximities of tunnel excavation or other such works.

The profiler comprises of a high precision piezoelectric sensor which is connected to a reference reservoir placed inside a reel through hydraulic tubing and to a manual measurement unit through an electrical signal cable. The readings are carried out at regular intervals (1m) by inserting the level

probe inside a corrugated tube placed inside the soil to be monitored.

The difference in hydrostatic pressure of the sensor at placed at various depths inside the corrugated tube translates into mm of head difference with the reference tank.

The series of the readings taken makes up the settlement profile of the land over time.



**SENSOR DIMENSIONS**

diameter	30 mm
length	250 mm

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

**CE** product compliant with European standards