

TECHNICAL FEATURES OF THE PRESSURE GAUGE

- ✓ Pressure gauge dimension (diameter): 100 mm;
- ✓ Material: stainless steel;
- ✓ Accuracy: 1% F.S.;
- ✓ Protection level: IP 67
- ✓ Output: kN.



Load cell with 90° analogic gauge

TECHNICAL FEATURES OF THE TRANSDUCER 4/20 mA

- ✓ Type of sensor: piezoresistive;
- ✓ Output signal: 4-20 mA (2 wires);
- ✓ Power supply: 8-32 V DC;
- ✓ Repeatability: +/-0,5% F.S.;
- ✓ Allowed overload: 150% F.S.
- ✓ Protection level: IP 68;
- ✓ Operating temperature: from -40 to 105 °C.

TECHNICAL FEATURES OF THE VIBRATING WIRE TRANSDUCER

- ✓ Type of sensor: vibrating wire;
- ✓ Output signal: Hz;
- ✓ Repeatability: +/- 0,5% F.S.;
- ✓ Allowed overload: 150% F.S.
- ✓ Protection level: IP 68;
- ✓ Operating temperature: from -20 to 80°C.



Load cell with pressure transducer

CE product compliant with European directives



The hydraulic anchor load cell is a ring-shaped instrument in stainless steel.

These cells are mainly used to check the tension of strand and bar anchoring systems in medium and long term monitoring sites.

The cell consists of two plates welded along the perimeter and separated internally by annular space vacuum saturated with de-aired oil.

The load applied is transferred by the hydraulic oil to an analog pressure gauge that displays

immediately the current load.

Available with a pressure gauge set at 90 °, with the possibility of being re-pressurized and the possibility of adding the pressure sensor at a later time (by adding the re-pressurization kit).

The load cell is selected according to diameter and nominal load. The cell can be equipped with an electrical or vibrating wire transducer for ongoing monitoring.

DIMENSIONS AND FULL SCALE AVAILABLE

| Hole diameter (mm) | External diameter (mm) | Full scale (kN) | Thickness (mm) |
|--------------------|------------------------|--------------------------|----------------|
| 165 | 300 | 1000/1250/1500/1800/2500 | 30 |
| 120 | 250 | 500/750/1000/1250/1500 | 30 |
| 40 | 140 | 150/250/350/450 | 30 |

We reserve the right to carry out modifications to our products and their specifications without prior notice