

## TECHNICAL FEATURES

- ✓ Operating principle: vibrating wire;
- ✓ Range: from 179 kPa to 2068 kPa;
- ✓ Overpressure: 2x F.S.;
- ✓ Accuracy: +/- 0.1% F.S.;
- ✓ Resolution: 0,025% F.S.;
- ✓ Non linearity: <0,5% F.S.;
- ✓ Sensitivity: 0,01% F.S.;
- ✓ Operating temperature: da -20 a 80° C;
- ✓ Output signal: Hz (frequency);
- ✓ Range: from 2200 to 3500 Hz;
- ✓ Zero nominal value: 3130 Hz;
- ✓ Thermistor: 3 KΩ at 25°C;
- ✓ Process connection: 1/4" gas;
- ✓ Thermal drift: 0,05% F.S./°C;
- ✓ Material: stainless steel;
- ✓ Overpressure protection: 90V with gas surge protector.



The vibrating wire pressure transducer is used to measure the pressure which is created inside the flat jacks used for testing.

The extremely strong and long-lasting sensor consists of a cylindrical stainless steel casing containing a vibrating wire pressure transducer, a hydraulic chamber and a 1/4" gas connection.

The pressure of the hydraulic oil on the transducer results in a deformation of the metal diaphragm. One end of the vibrating wire is fixed to it, and the oscillating frequency is proportional to the pressure to which it is subjected. The resulting variation (Hz) can be measured through dedicated

acquisition units. The sensor's frequency output signal is not influenced by the length of the cable and by external electrical interference, and it is strongly resistant to the possible presence of humidity on the reading terminals.

For thermal variations, the pressure transducer has integrated a 3 KΩ NTC thermistor for the possible correction of thermal drift.

## DIMENSIONS

179/2068 kPa	24x60 mm
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We reserve the right to change our products and their specifications without notice.

**CE** product compliant with European directives