

PRESSURE TRANSDUCER

Description

Pressure transducers are instruments designed to measure the pressure of liquids or gases and convert it into a proportional electrical signal, easily acquired by dataloggers, control units or monitoring systems.

The operating principle is based on a sensing element, generally a diaphragm, that deforms according to the applied pressure. This deformation is converted into a stable and accurate electrical signal for data control, recording and analysis.

Thanks to their robustness and reliability, GESTECNO pressure transducers are suitable for environmental, hydraulic, geotechnical and industrial applications, including water level monitoring and pressure measurement in pipes, wells and tanks.

Applications

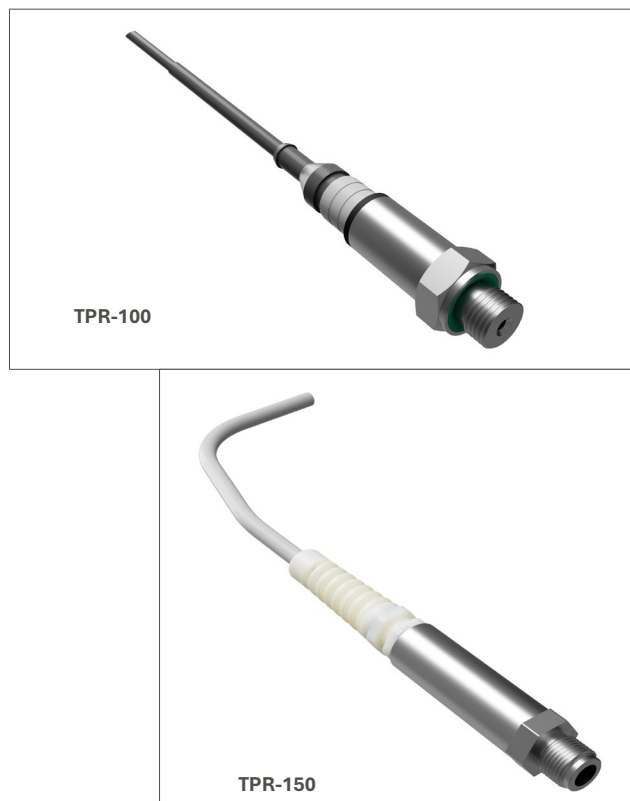
- Level control in pressurized wells and piezometers
- Pressurization system control
- Automation of flat jack tests

Features

- Protection up to IP68
- Operating temperature from -40 to +80 °C
- Wide range of measuring ranges
- Flexible installation

Ordering information

CODE	PRODUCT DESCRIPTION
TPR-100	Pressure transducer, flat jack version
TPR-150	Pressure transducer, pressurization system version



Technical specifications

Measurement principle	piezoresistive
Pressure type	absolute
Measuring ranges	From 0...1 to 0...600 bar
Output signal	4...20 mA, 2-wire
Power supply	10...30 Vdc
Accuracy	≤ ±0.5% FS
Overload	≥ 150% FS
Body material	AISI 316L stainless steel
Process connection	G 1/4" male
Electrical connection	M12 connector or integrated cable
Operating temperature	-40...+80 °C
Protection class	up to IP68

For more information:

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