

VIBRATING WIRE PIEZOMETER

Description

The resistive piezometer is a pressure transducer, which allows to measure the interstitial pressure in the soil (absolute version) allows to define the piezometric height in the piezometer pipe (relative version).

The self-supporting electric cable, is fixed to the piezometer casing, allowing to introduce and recover it without problems. Compact and robust execution and excellent quality components make this level gauge a unique tool for controlling and monitoring water levels in piezometers, in wells, pits, canals, tanks, rivers, lakes, etc.

Data can be read by using a portable control unit or an automatic data acquisition system designed for continuous monitoring.

Applications

- Interstitial pressure measurement
- Water level measurement inside piezometers
- Water level measurement inside wells, tanks and reservoirs
- Water level measurement inside canals, rivers and lakes



Features

- Absolute or relative pressure measurements
- Reliability on long time monitoring
- High resolution and accuracy
- Degree of protection IP68
- Stainless steel sturdy construction
- Possibility to transmit the signal also over long distances

Technical Specifications

Sensor Type	vibrating wire
Application	for interstitial pressure and for water level measurements
Cable	self-supporting, external PUR sheath
Range	from 100 to 1000 kPa
Overpressure	150% F.S.
Output Signal	Hz
Resolution	0,025% F.S.
Total Accuracy	+/-0,25% F.S.
Thermistor	3k Ohms @ 25°C
Operating temperature	0.....+80 °C
Frequency range	1400-1900 Hz
Degree of protection	IP68
Dimensions	diameter 30 mm - lenght 120 mm
Material	stainless steel
Filter	stainless steel mesh

Accessories and spare parts

- Cut to size electric cable

Please specify

CODE	DESCRIPTION
PEV-100	Vibrating wire piezometer
PEV-500	Self-supporting electric cable

For further information

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