

Piezometer

Types PP22 SS – PW22 SW



The pressure sensors PW 22 and PP 22 are used to measure water levels and pore water pressures. The slim design allows installation in boreholes or monitoring wells with a small diameter. For pure water level measurement in open standpipes the PW 22 with a plastic pre-filter is suitable. The PP 22 sensor is equipped with a sintered metal filter on the front and is used for pore water pressure measurements.

TECHNICAL DATA

	PP22 SS	PW 22 SW
Dimensions, Ø / length:	22x160 mm	22x170 mm
Material:	V4A 1.4571	V4A 1.4571
Weight:	250 g	240 g
Filter type:	Sintered metal	Plastic
Filter area:	2 cm ²	2 cm ²
Protection class:	IP 68	IP 68

Sensor options



AU
69.xx.01



AI
69.xx.02



VW
69.xx.03

AU PIEZORESISTIVE PRESSURE SENSOR, 4-CONDUCTOR SYSTEM

Measuring range* 0 -1 bar / 0 - 2 bar / 0 - 5 bar / 0 - 10 bar / 0 - 20 bar / 0 - 50 bar

*Other measuring ranges or special calibrations are available on request.

Supply: 1 mA (optional 10 VDC)
Output signal: 0 - 250 mV
Accuracy: < 0,1 % f.s.
Nonlinearity: < 0,5 % f.s.
(<0,1 optional)
Overload protection: 1,5-fache f.s.

AI PIEZORESISTIVE PRESSURE SENSOR WITH AMPLIFIER 4....20 MA-TRANSDUCER, 2-CONDUCTOR SYSTEM

Measuring range* 0 -1 bar / 0 - 2 bar / 0 - 5 bar / 0 - 10 bar / 0 - 20 bar / 0 - 50 bar

*Other measuring ranges or special calibrations are available on request.

Supply: 10 - 30 V
Output signal: 4 - 20 mA
Accuracy: < 0,1 % f.s.
Nonlinearity: < 0,1 % f.s.
Overload protection: 1,5-fache f.s.

VW VIBRATING WIRE PRESSURE SENSOR WITH THERMISTOR

Measuring range* 0 - 0,7 bar / 0 - 1,7 bar / 0 - 3,5 bar / 0 - 7 bar / 0 - 10 bar / 0 - 50 bar

*Other measuring ranges or special calibrations are available on request.

Supply (excitation): 60 V im-pulse
Output signal: 2 - 3,3 kHz
Accuracy: < 0,1 % f.s.
Nonlinearity: < 0,5 % f.s.
(<0,1 optional)
Overload protection: 1,5x f.s.