

Press-in Piezometer

Types PP3 RK-E and PP4 RS-E



The sensors PP3 RK-E and PP4 RS-E designate pore water pressure transducers for pressing into soft soils suitable. For this type of installation, the sensors are particularly robust and have a connection thread to mount an press-in adapter. The outstanding feature is the ring filter made of ceramic or sintered metal with an extra large surface. The large filter surface ensures optimal contact with the water-saturated soil.

TECHNICAL DATA

	PP3 RK-E	PP4 RS-E
Dimensions, Ø / length:	40x313 mm	40x330 mm
Material:	V4A 1.4571	V4A 1.4571
Weight:	1500 g	1745 g
Filter type:	Ceramic	Sintered metal
Filter area:	29 cm ²	58 cm ²
Protection class:	IP 68	IP 68

*(including press-in sleeve)

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 impulse
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.