

# Pressure Sensors

Types PF3 P and PF3 S



The PF-3 transducer series belongs to our pressure family and refers to sensors for measuring liquid pressures. These sensors can be connected to a fitting via the thread on the front and thus establish contact between the sensor membrane and the liquid pressure to be measured. The standard versions offer either a 1/2" or an Ermeto 6S thread. Special adaptations and other threads are also available on request.

## TECHNICAL DATA

	PF3 P	PF3 S
Dimensions, Ø / length:	30x200 mm	30x230 mm
Material:	V4A 1.4571	V4A 1.4571
Weight:	650 g	640 g
External connection:	1/2 Zoll	EO SV6S
Internal connection:	3 mm	3 mm
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: 1,5x 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: 1,5x 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.