

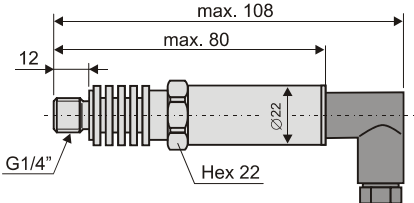
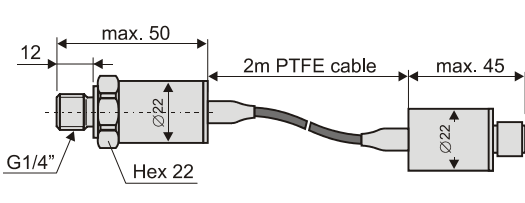
High-Temperature Pressure Transmitter PSK



- ♦ Up to 200 °C operating temperature
- ♦ 2(3)-wire linear output signals
- ♦ Positive and negative gauge and sealed reference
- ♦ Up to 0.5% accuracy
- ♦ Ranges from -1 to 2000 bar
- ♦ Various pressure ports and electrical connections
- ♦ CANopen interface available



Technical specifications

Variant	'1'		'2'	
Specifications				
	compact case		sensor and electronics separated by 2 m cable	
Pressure	positive and/or negative gauge	gauge w/ sealed reference	positive and/or negative gauge	gauge w/ sealed reference
Ranges to EN [bar]	-1...0/ 1 0...1/ 1.6/ 2/ 2.5/ 4/ 6/ 10/ 16/ 20/ 25/ 40	0...60/ 100/ 160/ 200/ 250/ 400/ 600/ 1000/ 1600/ 2000	-1...0/ 1 0...1/ 1.6/ 2/ 2.5/ 4/ 6/ 10/ 16/ 20/ 25/ 40	0...60/ 100/ 160/ 200/ 250/ 400/ 600/ 1000/ 1600/ 2000
Accuracy	0.5%		1%	
Repeatability error	≤ 0.1%			
Stability	0.1% per year			
Non-linearity	≤ 0.15%			
Temperature drift	≤ 0.03%/°C within -40...105 °C			
Pressure sensor type	thin-film resistances			
Overload pressure	min. 2x	min. 1.2x	min. 2x	min. 1.2x
Bursting pressure	min. 3x	min. 1.5x	min. 3x	min. 1.5x
Wetted parts	stainless steel		titanium and stainless steel	
Housing	stainless steel (IP65...IP69, depending on electrical outlet)			
Process connection	G1/4" ⁽¹⁾ , 1/4" NPT ⁽¹⁾ , M18x1.5, G1/2", 1/2" NPT, M20x1.5, 7/16"-20 UNF ⁽¹⁾ , 3/8"-24 UNF			
Electrical connection	vented cable or connector	standard cable or connector	vented cable or connector	standard cable or connector
Output	2-wire 4...20 mA, 3-wire 0...20 mA, 0...5 V, 1...5 V, 0...10 V, or 0.5...4.5 V (ratiometric), CANopen interface ⁽²⁾			
Power supply	9...32 VDC (12...32 VDC for voltage output)			
Ambient temperature	-40...105 °C			
Medium temperature	-40...160 °C (up to 180 °C for max. 15 min)		-40...180(200) °C	
Weight	80...120 g (depending on model design)			

⁽¹⁾ Not available for ranges over 1000 bar!

⁽²⁾ Not available for variant '1'!

Ordering code PSK★ - G3.G8.G9.G11.G15 ⁽³⁾

Code	Feature or option	Code values
★	Variant	1 - single-part design, 2 - two-part design
G3	Input range ⁽⁴⁾	RANGE (see table above)
G8	Cable length [m] and type ^(3,4)	1PV...10PV - standard PVC, 1PVV...10PVV - vented PVC, 1PU...10PU - standard PUR, 1PUV...10PUV - vented PUR
G9	Process connection ⁽⁵⁾	Q1 - M18x1.5, Q2 - M20x1.5, Q4 - G1/2", Q10 - 1/2" NPT, Q23 - G1/4" ⁽¹⁾ , Q24 - 1/4" NPT ⁽¹⁾ , Q35 - 7/16"-20 UNF ⁽¹⁾ , Q36 - 3/8"-24 UNF, Z - other (specify!)
G11	Output	E - 0...20 mA, F - 4...20 mA, I - 0...5 V, J - 1...5 V, K - 0...10 V, N - 0.5...4.5 V, O - CANopen 2.0 A interface ⁽²⁾ , Z - other (specify!)
G15	Wiring connector ⁽³⁾	C1 - 4(5)-pin connector M12, C7 - DIN 43650 detachable 4-pin connector ⁽⁶⁾ , C7C - DIN 43650 C detachable 4-pin mini connector ⁽⁶⁾ , Z - other (specify!)

⁽³⁾ Code EITHER G8 or G15!

⁽⁴⁾ Applicable for the selected variant

⁽⁵⁾ Mounting adapter type YD, ordered separately (see 'Accessories'), can also be used.

⁽⁶⁾ Not available for variant '2'