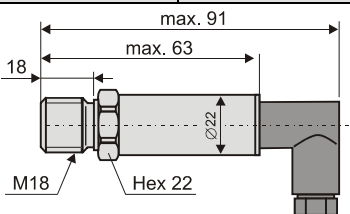


High-Pressure Industrial Transmitter PSH

- ♦ Maximum pressure from 1600 bar up to 4000 bar
- ♦ Compact design
- ♦ Positive gauge with sealed reference
- ♦ Up to 0.25% accuracy
- ♦ Up to 125 °C process temperature
- ♦ CANopen interface available



Technical specifications

Variant	'1'	'2'
Specifications		
Pressure	positive relative (gauge) with sealed reference	
Ranges to EN [bar]	0...1600/ 2000	0...2500/ 3000/ 4000
Accuracy	0.5%, 0.25% (<i>option</i>)	1%, 0.5% (<i>option</i>)
Repeatability error	≤ 0.1%	≤ 0.2%
Stability	0.1% per year	0.2% per year
Non-linearity	≤ 0.15%	≤ 0.3%
Temperature drift	≤ 0.03%/°C within -20...85 °C	
Pressure sensor type	thin-film resistances	
Overload pressure	2400 bar	min. 1.2x
Bursting pressure	3000 bar	min. 1.5x
Wetted parts	stainless steel	
Housing	stainless steel (IP65)	
Process connection	nipple M18x1.5 or union nut M16x1.5	
Electrical connection	standard (unvented) 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	
Power supply	9...32 VDC (12...32 VDC for voltage output)	
Ambient temperature	-40...105 °C	
Medium temperature	-40...125 °C	
Weight	80...120 g (depending on model design)	

Ordering code PSH★ - G3.G8.G9.G11.G15 - #1 ⁽¹⁾

Code	Feature or option	Code values
★	Variant	1 - for up to 2000 bar, 2 - for up to 4000 bar
G3	Input range ⁽²⁾	RANGE (see table above)
G8	Cable length [m] and type ^(1,2)	1PV...10PV - standard PVC, 1PU...10PU - standard PUR
G9	Process connection ⁽³⁾	Q1 - M18x1.5, U0 - M16x1.5, 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, Z - other (specify!)
G15	Wiring connector ⁽¹⁾	C1 - 4(5)-pin connector M12, C7 - DIN 43650 detachable 4-pin connector, C7C - DIN 43650 C detachable 4-pin mini connector, Z - other (specify!)
#1	High accuracy	X - none ⁽⁴⁾ , HA - high accuracy ^(5,6)

⁽¹⁾ Code EITHER G8 or G15!

⁽²⁾ Applicable for the selected variant

⁽³⁾ Mounting adapter type YD, ordered separately (see 'Accessories'), can also be used.

⁽⁴⁾ 0.5% accuracy for variant '1'; 1% for variant '2'

⁽⁵⁾ 0.25% for variant '1'; 0.5% for variant '2'

⁽⁶⁾ Not available with CANopen