

**Ex - Pressure Transmitters PS**

- ◆ ATEX 100a approval
- ◆ Positive and negative Gauge and Absolute pressure
- ◆ Accuracy - up to 0.25%
- ◆ Ranges from 100 mBar up to 4000 Bar
- ◆ Front flush diaphragm models



DISCOUNT CLASS 2



**Technical specifications**

Ex - proof MODELS	With internal diaphragm				With front flush diaphragm			
	110	111	112	113	120	121	122	123
<b>Specifications</b>								
<b>Pressure</b>	Positive and/or negative gauge				Absolute			
<b>Ranges to EN [Bar]</b>	-0,1...0 0...6		-0,25...0 0...16		0...0,25		-0,1...0 0...2,5	
	-0,16...0 0...10		-0,4...0 0...25		0...0,4		-0,16...0 0...4	
	-0,25...0 0...16		-0,6...0 0...40		0...0,6		-0,25...0 0...6	
	-0,4...0 0...25		-1...0 0...60		0...1		-0,4...0 0...10	
	-0,6...0 0...40		0...0,25 0...100		0...1,6		-0,6...0 0...16	
	-1...0 0...60		0...0,4 0...160		0...2,5		-1...0 0...25	
	0...0,1 0...100		0...0,6 0...250		0...4		0...0,25 0...40	
	0...0,16 0...160		0...1 0...400		0...6		0...0,1 0...40	
	0...0,25 0...250		0...1,6 0...600		0...10		0...0,16 0...60	
	0...0,4 0...400		0...2,5 0...1000		0...16		0...0,25 0...100	
	0...0,6 0...600		0...4 0...1600				0...0,4 0...160	
	0...1 0...1000		0...6 0...2500				0...0,6 0...250	
0...1,6 0...1600		0...10 0...4000				0...1 0...400		
0...2,5 0...2500						0...1,6 0...600		
0...4 0...4000								
<b>Accuracy</b>	0.5%		0.25%		0.5%		0.25%	
<b>Pressure sensor type</b>	Piezoresistive or Thin film (over 16 Bar)				Piezoresistive			
<b>Overload pressure</b>	3.5x (≤16 Bar); 2x (≤600 Bar); 1.5x (>600 Bar); 1.2x (>1600 Bar); 1.1x (4000 Bar)							
<b>Output</b>	4...20 mA - EEx ia IIC T4...T6 (T4: -20...105 °C; T5: -20...80 °C; T6: -20...60 °C)							
<b>Case</b>	Stainless steel 1.4571							
<b>Pressure connection</b>	SS1.4571: 1/2"(G,NPT), 1/4"(G,NPT), (>2500Bar - M16 female)				SS 1.4571: G1/2" (<1.6 Bar - G1")			
<b>Power supply</b>	10...30 VDC							
<b>Electrical connection</b>	Connector DIN 43650							
<b>Medium temperature</b>	-30...+100 °C							
<b>Ambient temperature</b>	-30...+100 °C (IP65)							

PS

PS110 - G3.G9 - XXX

PS111,112,120 - G3.G9 - XXX

PS113,121,122 - G3.G9 - XXX

PS123 - G3 - XXX

**Ordering code** PS★ - G3.G9 - #1#2#3

**Base model**

Code	Feature or option	Code values
★	Model	Three-digit code from the table above
G3	Input range <sup>(1)</sup>	RANGE - according to the specification table positive ranges over 1000 Bar negative ranges
G9	Pressure connection <sup>(1)</sup>	Q23 - G1/4", Q24 - NPT1/4", Q4 - G1/2", Q10 - NPT1/2", Z - other (specify!)
#1	Preparation for Zone "0"	X - none Z0 - installed
#2	Free from grease	X - none G - installed
#3	For oxygen (includes option #2)	X - none O - installed

<sup>(1)</sup> Applicable for the selected model