

Industrial Pressure Transmitters PS

- ◆ Positive and negative Gauge and Absolute pressure
- ◆ Accuracy - up to 0.25%
- ◆ Ranges from 25 mBar up to 7000 Bar
- ◆ Front flush diaphragm models
- ◆ RS232 optional output

The PS industrial pressure transmitters offered by COMECO Ltd. are produced by IMT-Germany or are OEM products assembled by COMECO using modules of IMT. The transmitters are based on Piezoresistive and Thin film sensitive elements. The range includes pressure sensors for absolute pressure, positive and negative gauge pressure and very low pressures [mBar] transmitters. Increased temperature and oils and fats resistant models are also available. Various pressure port connection adapters may be ordered. The industrial PS series includes models in the range from 25 mBar to 4000 Bar and accuracy from 0.5% to 0.25% providing 4-20 mA 2-wire or 3-wire current and voltage output as well as RS232 optional interface. Due to their compact design and high accuracy the PS transmitters are applicable in all industrial areas.



PS

Technical specifications

MODEL	Compact design			Industrial with front flush diaphragm					
	3249	3349	3247	3386	3344	3251	3252	3255	3256
Specifications									
Pressure	Positive and/or negative gauge		Absolute	Positive and/or negative gauge				Absolute	
Ranges to EN [Bar]	-1...±0.25...16	25...1000	0.25...16	25...600		-1...-0.25...0.1...16	-1...±0.25...16	0.25...16	
Accuracy	0.5%			0.5%	0.25%	0.5%		0.25%	0.5% 0.25%
Pressure sensor type	Piezoresistive	Thin film	Piezoresistive	Thin film		Piezoresistive			
Overload pressure	3.5x(≤16 Bar); 2x(≤600 Bar); 1.5x(>600 Bar)			3.5x(≤16 Bar); 2x(≤600 Bar)					
Output	4...20 mA, 0...20 mA, 0...10 V or 0...5 V			4...20 mA, 0...20 mA, 0...10 V, 0...5 V or RS232					
Case	Stainless steel 1.4301								
Pressure connection	SS 1.4571: G1/4", 1/4"NPT			SS 1.4571: G1/2", G1" (<2.5 Bar - ONLY G1")					
Power supply	10...30 VDC (14... 30 VDC - for 0...10 V output)								
Electrical connection	Connector DIN 43650C			Connector DIN 43650					
Medium temperature	-30 to +100 °C			-30 to +100 °C Option: -40 to +125(150) °C					
Ambient temperature	-40...+85 °C (IP65)			-20...+80 °C (IP65)					

MODEL	Industrial with internal diaphragm						
	3275	3276	3376	3277	3377	3245	3248
Specifications							
Pressure	Positive and/or negative gauge			Positive and/or negative gauge		Absolute	
Ranges to EN [Bar]	±0.025...±0.060	-1...-0.1...16	25...7000	-1...-0.25...16		25...7000	
Accuracy	0.5 %			0.25 %		0.5 %	0.25 %
Pressure sensor type	Piezoresistive		Thin film	Piezoresistive	Thin film	Piezoresistive	
Overload pressure	3.5x (≤16 Bar); 2x (≤600 Bar); 1.5x (>600 Bar); 1.2x (>1600 Bar); 1.1x (4000 Bar)						
Output	4...20 mA, 0...20 mA, 0...10 V, 0...5 V or RS232						
Case	Stainless steel 1.4301						
Pressure connection	SS 1.4571: G1/2", NPT1/2", G1/4", NPT1/4" (>2500 Bar - M16x1.5 female)						
Power supply	10...30 VDC (14... 30 VDC - for 0...10 V output)						
Electrical connection	Connector DIN 43650						
Medium temperature	-30 to +100 °C Option: -40 to +125 °C						
Ambient temperature	-20...+80 °C (IP65)						

Ordering code



PS* - G3.G9.G11 - #1

Code	Feature or option	Code values
★	Model	Four-digit code from tables above
G3	Input range	0 to ± RANGE, where RANGE = 10, 16, 25, 40 or 60 x 10 ⁿ or other (applicable for the selected model)
G9	Pressure connection	Q23 - G1/4", Q24 - NPT1/4", Q4 - G1/2", Q10 - NPT1/2", Z - other (specify!)
G11	Output signal	A - RS232, E - 0...20 mA, F - 4...20 mA, I - 0...5 V, K - 0...10 V (applicable for the selected model)
#1	High temperature option	X - none, H1 (125 °C) or H2 (150 °C) - high temperature options (if applicable for the selected model)