

Sanitary Pressure Transmitter

Model PT15

Features

- 1.5" Tri-clamp Flush Diaphragm
- High vibration stability
- Rugged stainless steel construction
- Reverse polarity and limit protection
- High accuracy, stability, and reliability
- Protection IP67

Ranges

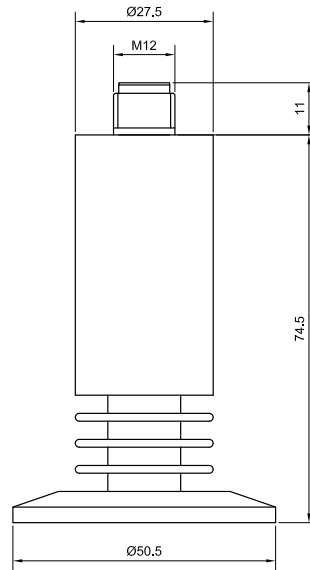
0 ... 15 psi up to 0 ... 600 psi
 0 ... 1 bar up to 0 ... 40 bar & kg/cm²
 0 ... 100 kPa up to 0 ... 4,000 kPa

Applications

Dosing Systems
 Pharmaceuticals
 Food Processing
 Biotechnology and filtration industries
 Breweries, distilleries



Technical specifications	PT15					
Measuring principle	Piezo resistive sensors					
Range in bar (kg/cm ²)	1 1.6 2.5 4 6 10 16 25 40 -1/0 -1/3 -1/5 -1/9 -1/15					
Overpressure limit	150% of FS					
Pressure type	Gauge, Vacuum, Compound and Absolute					
Process connection	1.5" Tri clamp connection					
Material						
Process connection	Stainless Steel 316L					
Sensor	Stainless Steel 316L					
Housing	Stainless Steel 300 series					
Power supply	11 ... 28 VDC		14 ... 28 VDC		5 VDC ± 10%	
Output signal	4 ... 20 mA (2 wires)	0 ... 5 VDC (3 wires)	1 ... 5 VDC (3 wires)	0 ... 10 VDC (3 wires)	1 ... 9 VDC (3 wires)	0.5 ... 4.5 RM (3 wires)
Maximum Loop Resistance	(U – 12V)/0.02 A					
Insulation Voltage	100V, 100MΩ					
Electrical connection	M12 Round Connector (IP67), Direct Cable Connection					
Accuracy	≤ 0,5 % FS, optional ≤ 0,25 % FS (Including Linearity, Hysteresis, Zero offset & Span offset), at Room Temperature					
Long term stability	≤ 0,2 % FS / year					
Permissible						
Operation temperature	-20 ... 80 °C					
Medium temperature	-40 ... 125 °C					
Storage temperature	-25 ... 85 °C					
Stability						
Vibration resistance	10gRMS, (20~2000) Hz					
Shock resistance	100g, 11ms					
Protection acc. EN 60 529/IEC 529	IP67					
Weight in kg	~ 0.20					



Pin	2 wire (Ampere Output)	3 wire (Voltage Output)
1	+ Ve	+ Ve
2	- Ve	- Ve
3	X	+ signal
4	X	X

Order information

Output signal	Accuracy	Range	Engineering unit	Protection	Process connection	Electrical connection	Options
(42) 4/20 mA	(050) ≤ 0,50 %	-1/ 0	bar	(N) IP67 ²⁾	(15) 1.5" Tri-clamp	(M12) M12 Circular Connector	(NH) Tagging Wired
(05) 0/5 VDC	(025) ≤ 0,25 %	-1/ 3	bara ¹⁾ (absolute)				(E0) M12 mating connector
(15) 1/5 VDC	(Including Linearity, Hysteresis, Zero offset & Span offset)	-1/ 5					
(10) 0/10 VDC		-1/ 9					
(19) 1/9 VDC		-1/ 15					
		0/ 1					
		0/ 1,6					
		0/ 2,5					
		0/ 4					
	0/ 6						
	0/ 10						
	0/ 16						
	0/ 25						
	0/ 40						
others on request		others on request	Equivalent ranges in kPa, MPa, psi, kg/cm ² and others units available		others on request		

1) Available for ranges 1 to 40 bar (15 to 600 psi)

How to order

Type	Output signal	Accuracy	Range	Engineering unit	Protection	Process connection	Electrical connection	Option
PT15	42	025	0/10	BAR	=	15	M1	NH

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