

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

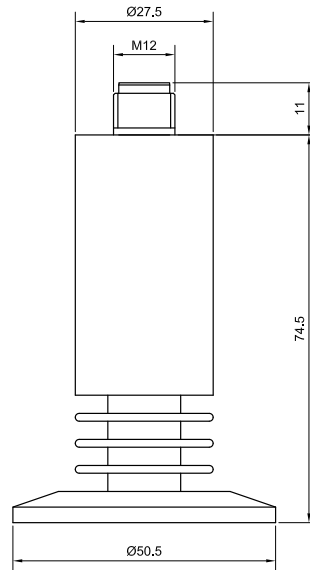
0 ... 15 psi up to 0 ... 600 psi
 0 ... 1 bar up to 0 ... 40 bar & kg/cm²
 0 ... 100 kPa up to 0 ... 4,000 kPa

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				
Output signal	4 ... 20 mA (2 wires)	0 ... 5 VDC (3 wires)	1 ... 5 VDC (3 wires)	14 ... 28 VDC 0 ... 10 VDC (3 wires)	5 VDC ± 10% 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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