

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

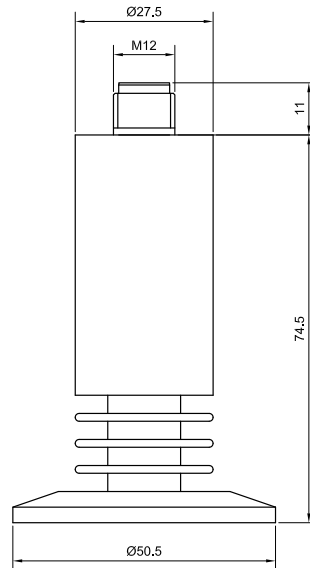
Applications

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	<table border="0"> <tr> <td>4 ... 20 mA (2 wires)</td> <td>0 ... 5 VDC (3 wires)</td> <td>1 ... 5 VDC (3 wires)</td> <td>14 ... 28 VDC 0 ... 10 VDC (3 wires)</td> <td>1 ... 9 VDC (3 wires)</td> <td>5 VDC ± 10% 0.5 ... 4.5 RM (3 wires)</td> </tr> </table>	4 ... 20 mA (2 wires)	0 ... 5 VDC (3 wires)	1 ... 5 VDC (3 wires)	14 ... 28 VDC 0 ... 10 VDC (3 wires)	1 ... 9 VDC (3 wires)	5 VDC ± 10% 0.5 ... 4.5 RM (3 wires)
4 ... 20 mA (2 wires)	0 ... 5 VDC (3 wires)	1 ... 5 VDC (3 wires)	14 ... 28 VDC 0 ... 10 VDC (3 wires)	1 ... 9 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						

General dimensions in mm



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) $\leq 0,50\%$	-1/ 0	bar	(N) IP67 ²⁾	(15) 1.5" Tri-clamp	(M12) M12 Circular Connector	(NH) SS wired tag
(05) 0/5 VDC	(025) $\leq 0,25\%$	-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		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		Certificate (CD4) 4 Point Calibration Certi.

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	Options	Certificate
PT15	42	025	0/10	BAR	=	15	M1	NH	CD4

Precision Mass Products Pvt. Ltd.

Plot No.: 2306, G.I.D.C. Chhatral, Ta: Kalol, Dist.: Gandhinagar, Chhatral -382729, Gujarat, India.

Telephone: +91-2764 233681/82/83

Email: sales@precisionmass.com

Fax: +91-2764-233440

www.precisionmass.com

- North Zone : sales.delhi@precisionmass.com
- East zone : sales.kolkata@precisionmass.com
- West zone : sales.mumbai@precisionmass.com
- South zone : sales.chennai@precisionmass.com