Industrial Pressure Transmitter
Model PT11

Features

- Compact design
- Rugged stainless steel construction
- High shock and vibration stability
- Reverse polarity and limit protection
- High accuracy, stability, and reliability
- Protection IP67 / IP65



Ranges

0 ... 1.5 psi up to 0 ... 15,000 psi
0 ... 0.1 bar up to 0 ... 1000 bar & kg/cm^2
0 … 10 kPa up to 0 … 100,000 kPa

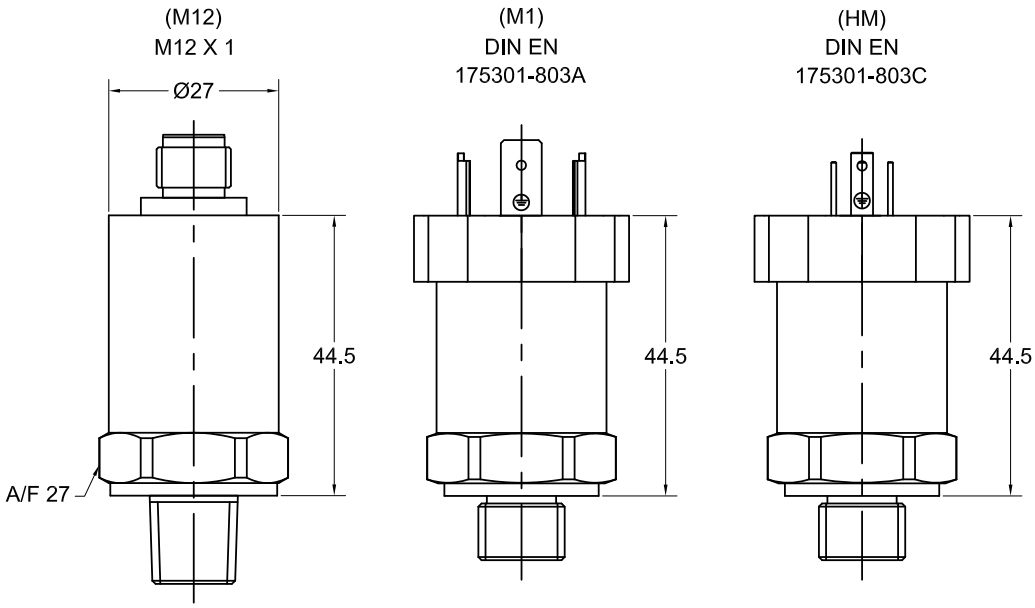
Applications

Machine and construction apparatus
Hydraulic and Pneumatics systems
Refrigeration and air conditioning
Emissions monitoring
Power generation
Automation

Technical specifications	**PT11**
Measuring principle	Piezo resistive sensors
Range in mbar	100 160 250 400 600
Range in bar (kg/cm^2)	1 1.6 2.5 4 6 10 16 25 40 60 100 160 250 400 600 1000 -1/0 -1/3 -1/5 -1/9 -1/15
Overpressure limit	150% of FS, Max 1100 bar
Pressure type	Gauge, Vacuum, Compound and Absolute
Process connection	G 1/4 male according DIN 3852 Part 11 Form E, 1/4" NPT (M), 1/2" NPT (M), 1/2" BSP (M) Others on request
Material Wetted Part	
Process connection	Stainless Steel 316L
Sensor	Stainless Steel 316L
Housing	Stainless Steel 300 series
Seals	FKM
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 Ω
Insulation Voltage	100V,100MΩ
Electrical connection	4 PIN angle connector DIN EN 175301-803 A, DIN EN 175301-803 C (IP65) 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 / IP65, depending on cable entry
Weight in kg	~ 0.20

All specifications are subject to change without notice.

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 **(05)** 0/5 VDC **(15)** 1/5 VDC **(10)** 0/10 VDC **(19)** 1/9 VDC others on request	**(050)** ≤ 0,50 % **(025)** ≤ 0,25 % (Including Linearity, Hysteresis, Zero offset & Span offset)	**0/ 100** **0/ 160** **0/ 250** **0/ 400** **0/ 600** **-1/ 0** **-1/ 3** **-1/ 5** **-1/ 9** **-1/ 15** **0/ 1** **0/ 1,6** **0/ 2,5** **0/ 4** **0/ 6** **0/ 10** **0/ 16** **0/ 25** **0/ 40** **0/ 60** **0/ 100** **0/ 160** **0/ 250** **0/ 400** **0/ 600** **0/ 1000** others on request	**mbar** **bar** **bara**[1] (absolute) Equivalent ranges in kPa, MPa, psi, kg/cm^2 and others units available	**(=)** IP65 **(N)** IP67[2]	**(MG9)** G ¼ A male Form E[3] **(04)** 1/2" NPT (M) **(02)** 1/4" NPT (M) **(15)** 1/2" BSP (M) others on request	**(M1)** 4 Pin Angle connector DIN EN 175301-803 A[4] **(HM)** 4 Pin Angle connector DIN EN 175301-803 C[4] **(M12)** M12 Circular Connector	**(NH)** Tagging Wired

1) Available for ranges 1 to 60 bar (15 to 1000 psi) 2) For electric Connection M12 only 3) Maximum range 600 bar 4) IP65 only

How to order

Type	Output signal	Accuracy	Range	Engineering unit	Protection	Process connection	Electrical connection	Option
PT11	42	025	0/10	BAR	=	MG9	M1	NH

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