PD-04

Differential Pressure Transmitter for Fluids and Gases

Description:

The Series PD-04 Differential Pressure Transmitters are suitable for measuring over-pressure, under-pressure, and differential pressure in compatible gases and liquids with 1% accuracy. The PD-04 is suitable for all measuring tasks in commercial, industrial or sanitary applications. Dual pressure sensors convert pressure changes into a standard 4 to 20 mA or 0 to 10 VDC output signal.

Features

/ Accuracy 1%

/ Compact and lightweight

/ Fast reaction

/ High reliability

/ Ranges from 1 bar to 6 bar

/ Easy installation

Application:

The compact design of the PD-04 differential pressure transmitter allows integration of devices even in installations or machines with restricted conditions of space. The transmitters are stable for long periods, robust The PD-02 differential pressure transmitters are used in areas such as:

/ Heat exchangers

/ Fan coils/air handlers

/ Core testing applications

/ Hydraulic systems

/ High line pressures/low DP

/ Pumps

/ Commercial/industrial processes

/ Sanitary process

Technical Specifications:

Accuracy /	± 1% from -5. . .+60° C
Stability /	± 1% FS / Year
Process connections /	1/4 female NPT 1/4 female BSPT
Relative humidity /	10% to 90% non condensig
Ambient temperature /	-10. . .+60°C
Process temperature /	-10. . .+80°C
Material /	
Housing:	ABS
Wetted:	304 SS
Installation position:	not position sensitive
Weight /	567 g
Approvals /	CE, RCM

Electrical Specifications:

Output signal /	4. . .20 mA 0. . .10 VDC
Rated supply voltage /	
4. . .20mA Output	8. . .36 VDC
0. . .10 VDC Output	12. . .36 VDC or 12. . .32 VAC (@ Max load of 2k Ω)
Power consumption /	V_{out} = 13 mA max. I_{out} = 24 mA max.
Max loop resistance (Supply voltage - 8 V)	0,02 für 4. . .20mA Output
Response time /	50 ms
Electrical connections /	Form A DIN 43650
Enclosure rating /	IP65

Pressure Range Limits:

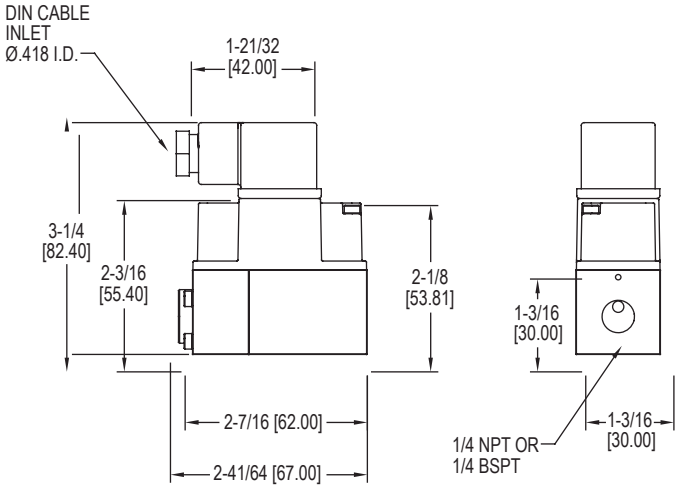
Druck

Pressure Range	Maximum Static Pressure	* Maximum Differential Over Pressure	** Burst Differential Pressure
0. . .1 bar	25 bar	5 bar	8 bar
0. . .2,5 bar	25 bar	5 bar	8 bar
0. . .4 bar	25 bar	12 bar	18 bar
0. . .6 bar	25 bar	12 bar	18 bar

Note: *The differential pressure limit, between high and low ports, that the transmitter can withstand without affecting transmitter performance

****Differential pressures between high and low ports that exceed overpressure limits will result in permanent diaphragm deformation, and any pressure higher than the burst pressure limits will rupture the diaphragm.**

Dimensions in Inch (mm):



Ordering Codes:

Order number **PD-04. 1. 2. B. 1. 1**

PD-04 Differential Pressure Transmitter for Fluids and Gases

Output /
1 = 4. . .20 mA
2 = 0. . .10 VDC

Process connection /
1 = 1/4" female NPT
2 = 1/4" female BPST

Operating range /
A = 0. . .1 bar Differential pressure
B = 0. . .2,5 bar Differential pressure
C = 0. . .4 bar Differential pressure
D = 0. . .6 bar Differential pressure

Options /
0 = without
1 = Factory calibration
2 = NIST certificate

Special design /
0 = without
1 = Mounting bracket kit
2 = 3-Valve Block Manifold

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