

PD200 – Compact Differential Pressure Transmitter



- ▶ Compact design
- ▶ Diffused silicon sensing element
- ▶ Measuring range from 0...0.1barG to 0...35barG
- ▶ Accuracy 0.5% F.S.
- ▶ All-metal housing
- ▶ Applicable to both liquid and gas



PD200 equips with a diffused silicon sensing element. Based on Wheatstone Bridge, the differential pressure is processed and output as standard electrical signal. Metal housing, compact design, multiple outputs available. Applicable to machinery equipment, medical equipment etc.. Good for lower viscous medium – either liquid or gas.

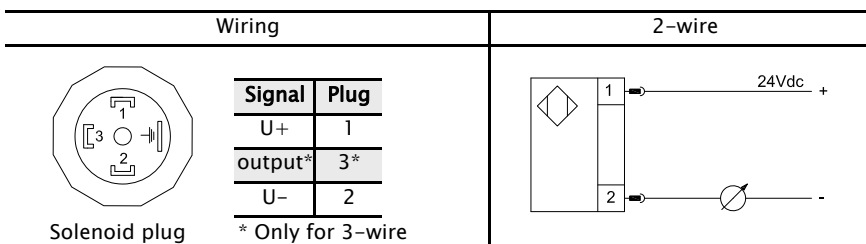
Specifications

Measuring Range	0...0.1bar to 0...35bar (for details see 'model number')
Overload Pressure	1.5 times of measuring range
Power Supply	12...30Vdc
Current Consumption	
2-wire	Same as current output (2-wire 4...20mA)
3-wire	≤30mA
2-wire Current Analog Output	
Output	2-wire 4...20mA
Load RA(Ω)	$RA \leq (U_s - 10)V / 0.02A$
Linearity	≤±0.5% of F.S.
3-wire Voltage Analog Output	
Output	3-wire 0...5V, 1...5V, 0...10V
Load RA(Ω)	$RA \geq 5K$
Linearity	≤±0.5% of F.S.
Accuracy	≤±0.5% of F.S.
Stability(Drift/Year)	≤±0.02% of F.S.
Temperature	
Medium	-20...+85℃
Ambient	-20...+85℃
Storage	-20...+100℃
Material	
Housing	304 stainless steel
Wetted Parts	316 stainless steel
Protection Class	IP65
Electrical Connection	Solenoid plug

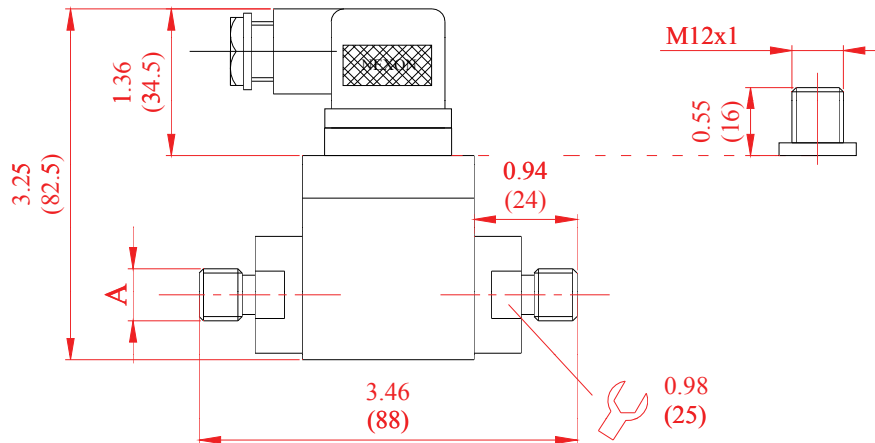
Applications

- ▶ Equipment manufacture
- ▶ Energy industry
- ▶ Filtering system

Wiring



Dimensions in inches (mm)



Note: The unit of the figure in brackets is metric system and outside is inch.

Order Code

PD : Differential pressure transmitter
200 : Series# - compact
Measuring Range : B00.1 = 0...0.1 bar , B0.25 = 0...0.25 bar , B00.5 = 0...0.5 bar , B001 = 0...1 bar , B02.5 = 0...2.5 bar , B004 = 0...4 bar , B006 = 0...6 bar , B010 = 0...10 bar , B025 = 0...25 bar , B035 = 0...35 bar
 (availably customized measuring range)
Note : Use Pxxxx for psi unit, xxxx is the measuring pressure range.

PD	200/	B010	02	42	HT	G14M	H
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02 : 2-wire
03 : 3-wire
42 : 4...20mA (only for 2-wire)
05 : 0...5V (only for 3-wire)
15 : 1...5V (only for 3-wire)
01 : 0...10V (only for 3-wire)
HT: With HART protocol (only for 2-wire 4...20mA)
—: None

Process connection

G14F : G1/4 female thread
G14M : G1/4 male thread
N14M : NPT1/4 male thread
H : Solenoid plug

Special Order On Request

- ▶ Pressure measuring range
- ▶ Process connection
- ▶ Electrical connection