

PTS1

Standard Piezoresistive Pressure Transmitter



Features

- Wide Pressure Range
- High Accuracy
- Low Static and Thermal Errors
- Up to 300% Overpressure Protection
- Wide media compatibility
- Long term durable performance in harsh environment

Technical Specs (Typ.)

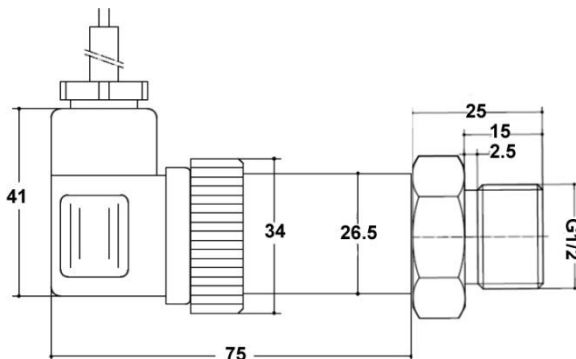
- Range:
- Accuracy (combined linearity, hysteresis, repeatability):
- Pressure Reference:
- Power Supply :
- Output:

- Temperature Coefficient of Zero:
- Temperature Coefficient of Span:
- Long term stability (1 year):
- Pressure Overload
- Pressure Cycles (Zero to Full Scale):
- Compensated Temperature:
- Operating Temperature:
- Storage Temperature:
- Electric Connection:
- Process connection:
- Materials:

- Response time:
- Weight:
- Protection Rate:

Selectable between 0~0.1 to 0~1000	bar
±0.5 (or others on request)	%Span
Vented Gauge, Sealed Gauge, Absolute	
24	V _{DC}
4-20	mA
(or voltage output on request)	
≤±0.02	%FS/°C
≤±0.02	%FS/°C
≤±0.2	%Span
300 (range <1bar); 150 (higher range)	%FS
10+	Million
-10 ~ 70 (-20 to +85 on request)	°C
-20 ~ 125	°C
-40 ~ 125	°C
DIN43650	
G1/2 (or others on request)	
O-ring: Viton, Body: SS304, Diaphragm: SS316, Oil: Silicon / Olive	
≤1	mS
180	g
IP65 (IP68 on request)	-

Dimensions (mm)



Note: All detail is subject to change without prior notice

Wiring

Current output (4-20mA):

- Excitation+ : Pin 1
- Output+ : Pin 2

Voltage output:

- Excitation+ : Pin 1
- Excitation- : Pin 2
- Output+ : Pin 3

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