

PT-400 Amplified Output Pressure Transducer



Liquid Level Sensor

The PT-400 offers high accuracy and reliability over a wide range of pressures. The small size, integrated electronics, wide operating temperature range, ATEX and IECEx approval, and durability, make the PT-400 the perfect instrument for static and dynamic pressure measurements with an amplified output signal.

Features

- Available ranges from 0 - 40,000 psi
- Standard outputs: 4-20 mA, 0-5 VDC, 0-10 VDC, RS-485
- High overpressure capability
- Zero and span adjustments
- cCSAus hazardous location approved
- ATEX approved
- IECEx approved

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PT-400 Specifications



*Overall length may vary depending on process connection.

Performance

- Accuracy (linearity & hysteresis): $\pm 0.25\%$ of full scale (BFSL)
- Standard Pressure Ranges: 0 - 40,000 psi
- Stability - One Year Zero Drift: 17-4 / 316L: $< \pm 0.5\%$ FS
- Overpressure: 2x full scale
- Burst Pressure: up to 3x full scale or limit of process connection
- Frequency Response: Less than 5mS

Connectivity

- Output: 4-20 mA (2 wire, loop-powered)
0-5 VDC, 0-10 VDC (non-isolated 3 wire)
Modbus/RTU (RS-485) with temp. output

Environmental

- Standard Compensated Temp.: -17° to 54°C (0° to 130°F)
- Storage Temp: -40° to 82°C (-40° to 180°F)
- Operating Temp: -40° to 85°C (-40° to 185°F)

Physical

- Weight: 10 oz. (283 g) typical
- Wetted Materials: 17-4 SS, 316L SS

Electrical

- Supply Voltage: 9-28 VDC
- Electrical Connection: Pigtail with cable or connector
- Electrical Protection: Protected against reverse polarity, surge per IEC 61000-4-5

Certification

- CSA/cCSAus Contract #237484
Ambient: -40° to 85°C
Max. Working Pressure: 10,000 psi
0-5 VDC, 0-10 VDC, 4-20mA
- IS: Class I, Div. 2, Groups C & D; Ex nL IIB T4
- Class I, Zone 2; AEx nL IIB T4
4-20 mA
- IS: Class I, Div. 1, Groups C & D; Ex ia IIB T4
- Class I, Zone 0; AEx ia IIB T4
- ATEX
4-20 mA
- Ex II 1G Ex ia IIB T4 Ga
- IECEx
4-20 mA
- Ex ia IIB T4 Ga