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



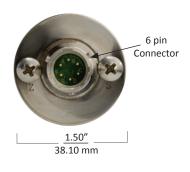




PT-400 Specifications







*Overall length may vary depending on process connection.



Performance

- Accuracy (linearity & hysteresis): ±0.25% of full scale (BFSL)
- Standard Pressure Ranges: 0 40,000 psi
- Stability One Year Zero Drift: 17-4 / 316L: <±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



- 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

