

PT-400 Amplified Output Pressure Transducer



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): $\pm 0.25\%$ 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.: 0° to 130°F (-17° to 54°C)
- Storage Temp: -40° to 180° F (-40° to 82°C)
- Operating Temp: -40° to 185° F (-40° to 82° C)

Physical

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

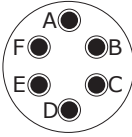
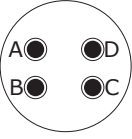
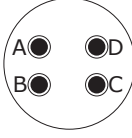
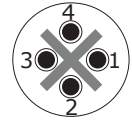
Electrical

- 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/cSAus Contract #237484
 - Ambient: -40° to 85°C
 - 0-5 VDC, 0-10 VDC, 4-20mA
 - IS: Class 1, Div. 2, Groups C & D; Ex nL IIB T4
 - Class 1, Zone 2; AEx nL IIB T4
 - 4-20 mA
 - IS: Class 1, Div. 1; Groups C & D; Ex ia IIB T4
 - Class 1, 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

PT-400 Pin Out Table

		4-20 mA	0-5 VDC	0-10 VDC	
6 Pin Bayonet	A	+ Excitation	+ Excitation	+ Excitation	 <p>6 Pin Bayonet Connector</p>
	B	- Excitation	+ Output	+ Output	
	C	N/C	- Output	- Output	
	D	N/C	- Excitation	- Excitation	
	E	N/C	N/C	N/C	
	F	N/C	N/C	N/C	
4 Pin Bayonet	A	+ Excitation	+ Excitation	+ Excitation	 <p>4 Pin Bayonet Connector</p>
	B	- Excitation	+ Output	+ Output	
	C	N/C	- Output	- Output	
	D	N/C	- Excitation	- Excitation	
4 Pin M12	1	+ Excitation	+ Excitation	+ Excitation	 <p>4 Pin Bayonet Connector</p>
	2	N/C	+ Output	+ Output	
	3	N/C	- Output	- Output	
	4	- Excitation	- Excitation	- Excitation	
Pigtail	Red	+ Excitation	+ Excitation	+ Excitation	 <p>4 Pin M12 Micro Connector</p>
	Grn	N/C	+ Output	+ Output	
	Wht	N/C	- Output	- Output	
	Blk	- Excitation	- Excitation	- Excitation	

PT-400 Accessories

Please order separately, by part number.

Description	Part Number
4 pin bayonet mating connector (E3) Connector Only	509010
4 pin bayonet mating connector (E3) with 2 ft cable (L1, L3, L10 only)	509010-1002
4 pin bayonet mating connector (E3) with 5 ft cable (L1, L3, L10 only)	509010-1005
4 pin bayonet mating connector (E3) with 10 ft cable (L1, L3, L10 only)	509010-1010
4 pin bayonet mating connector (E3) with 25 ft cable (L1 only)	509010-1025
4 pin bayonet mating connector (E3) with 50 ft cable (L1 only)	509010-1050
6 pin bayonet mating connector (E17) Connector only	509120
6 pin bayonet mating connector (E17) with 2 ft cable	509120-1002
6 pin bayonet mating connector (E17) with 10 ft cable	509120-1010
6 pin bayonet mating connector (E17) with 25 ft cable	509120-1025
6 pin bayonet mating connector (E17) with 50 ft cable	509120-1050
4 pin female micro connector (M12) mating connector (E4) Field wireable	509087
4 pin female micro connector (M12) mating connector (E4) with 2 m molded cable	135407-0002
4 pin female micro connector (M12) mating connector (E4) with 5 m molded cable	135407-0005