

From lab to production, providing a window into the process

PT311JA Flush Mounted Pressure Sensors

Reliable And Accurate Pressure Measurement



Description

Verificatior

Dynisco's PT311JA flush diaphragm pressure transducer is designed for applications requiring a zero volume pressure port. The flush diaphragm improves frequency response and has excellent cleanability. The PT311JA has a full scale output of 3mV/V and offers reliable and accurate pressure measurement of gases, viscous liquids and slurries.

Material Analysis

Sustainability

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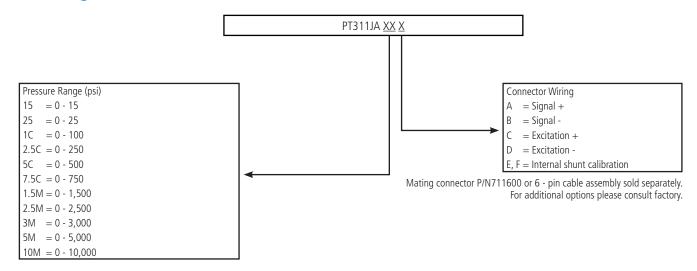
Profitability

Features

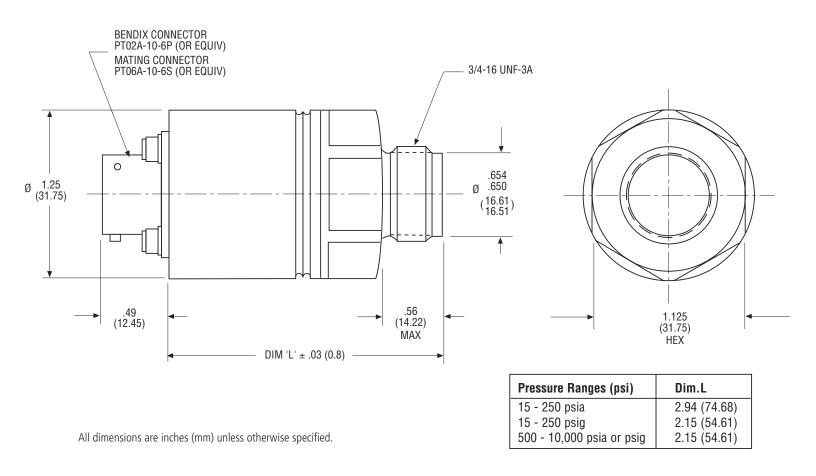
- Flush diaphragm
- Accuracy ±0.50%
- Zero volume pressure port
- 15 to 10,000 psi
- 3 mV/V output
- Internal shunt calibration

Performance Characteristics		Temperature Characteristics	
Pressure Range (psi):	0 - 15, 0 - 25, 0 - 100, 0 - 250, 0 - 500, 0 - 750, 0 - 1,500, 0 - 2,500, 0 - 3,000, 0 - 5,000, 0 - 10,000	Operating Range:	65° to +250°F (-54°C to +120°C)
		Compensated Range	0° to 150°F (-18°C to +66°C)
		Temperature Effect On Zero:	±0.01% full scale/°F (±0.018% full scale/°C)
Accuracy:	±0.5% full scale including linearity, hysteresis and repeatability	Temperature Effect On Span:	±0.02% full scale/°F (±0.036% full scale/°C)
Electrical Characteristics		Mechanical Characteristics	
		Safe Overpressure:	2 x rated pressure
Full Scale Output:	3 mV/V minimum	Burst Pressure:	4 x rated pressure
Excitation:	10 Vdc recommended, 12 Vdc maximum	Wetted Material:	17 - 4 PH stainless steel
Insulation Resistance:	1,000 megohms @ 50 Vdc	Cover Material:	303, 304 stainless steel
Bridge Resistance:	350 Ohms nominal	Pressure Port Seal:	Transducer supplied with DYNA-SEAL™ (P/N 633014)
Internal Shunt Calibration:	80% full scale ±1.0%	Weight:	Approximately 5 ounces

Ordering Guide for PT311JA Pressure Sensors



Dimensions







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Česká republika

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