DYNISCO MODEL PT311JA
Flush Diaphragm Pressure Transducer

Description
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.

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

Benefits
- Ideal for slurries and viscous materials
- Improved frequency response
- Choice of ranges
- Works with common instrumentation
- Easy set - up



Specifications

Performance Characteristics
Ranges (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

Accuracy: ±0.5% full scale including linearity, hysteresis and repeatability

Electrical Characteristics
Full scale output: 3 mV/V minimum
Excitation: 10 Vdc recommended, 12 Vdc maximum
Insulation resistance: 1,000 megohms @ 50 Vdc

Bridge resistance: 350 Ohms nominal
Internal shunt calibration: 80% full scale ±1.0%

Temperature Characteristics
Operating range: -65˚ to +250˚F (-54˚C to +120˚C)
Compensated range: 0˚ to 150˚F (-18˚C to +66˚C)

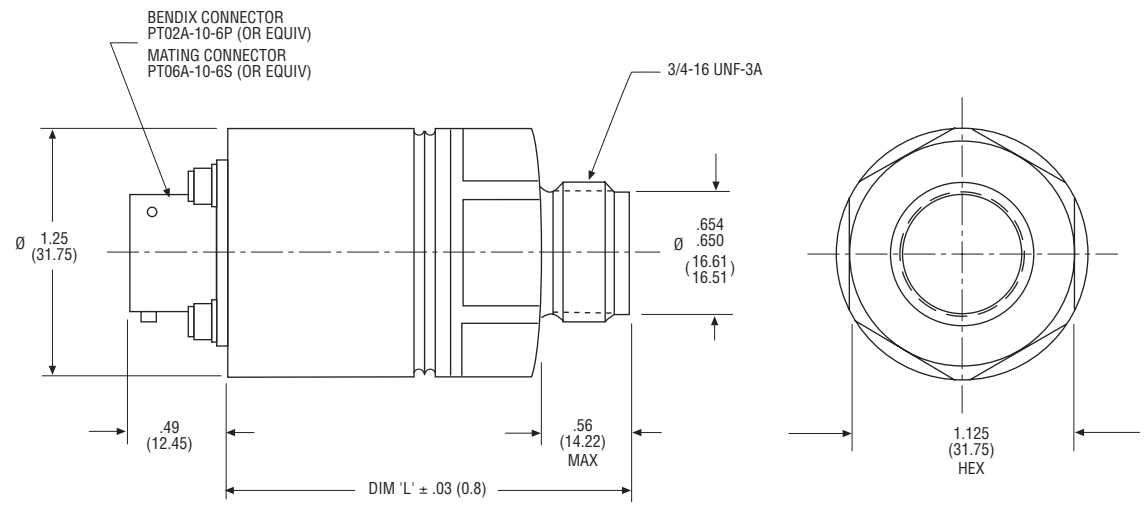
Temperature effect on zero: ±0.01% full scale/˚F (±0.018% full scale/˚C)
Temperature effect on span: ±0.02% full scale/˚F (±0.036% full scale/˚C)

Mechanical Characteristics
Safe overpressure: 2 x rated pressure
Burst pressure: 4 x rated pressure
Wetted material: 17 - 4 PH stainless steel

Cover material: 303, 304 stainless steel
Pressure port seal: Transducer supplied with DYNA-SEAL™ (P/N 633014)
Weight: Approximately 5 ounces

指定代理商 北京合众吉泰科技有限公司
北京市西城区教场口街一号2号楼108室
电话：010-62057170，传真：010-62370886
Email: lishudong@unitedfound.com

DYNISCO MODEL PT311JA
Flush Diaphragm Pressure Transducer



Pressure Ranges (psi)	Dim.L
15 - 250 psia	2.94 (74.68)
15 - 250 psig	2.15 (54.61)
500 - 10,000 psia or psig	2.15 (54.61)

All dimensions are in inches (millimeters) unless otherwise specified

Ordering Guide

Model	Pressure Range (psi)	
	Code	Range
PT311JA	15	0 - 15
	25	0 - 25
	1C	0 - 100
	2.5C	0 - 250
	5C	0 - 500
	7.5C	0 - 750
	1.5M	0 - 1,500
	2.5M	0 - 2,500
	3M	0 - 3,000
	5M	0 - 5,000
	10M	0 - 10,000

Ordering Example: PT311JA - 3M

• Mating connector P/N711600 or 6 - pin cable assembly sold separately.

Connector Wiring

Pin	Function
A	Signal +
B	Signal -
C	Excitation +
D	Excitation -
E, F	Internal Shunt Calibration

Delivery

Please call for specific delivery information.

指定代理商 北京合众吉泰科技有限公司

北京市西城区教场口街一号2号楼108室
电话：010-62057170，传真：010-62370886
Email: lishudong@unitedfound.com