

832 General Purpose Pressure Sensor

HIGHLY ACCURATE PRESSURE MEASUREMENT



Description

Dynisco's 832 General Purpose Sensor offers highly accurate pressure measurement at ranges up to 10,000 PSI. Excellent temperature compensation provides superior performance at operating ranges of up to 250 degrees fahrenheit. Its high accuracy and versatile, rugged design make it ideal for applications as diverse as automotive test stands and polymer test equipment.

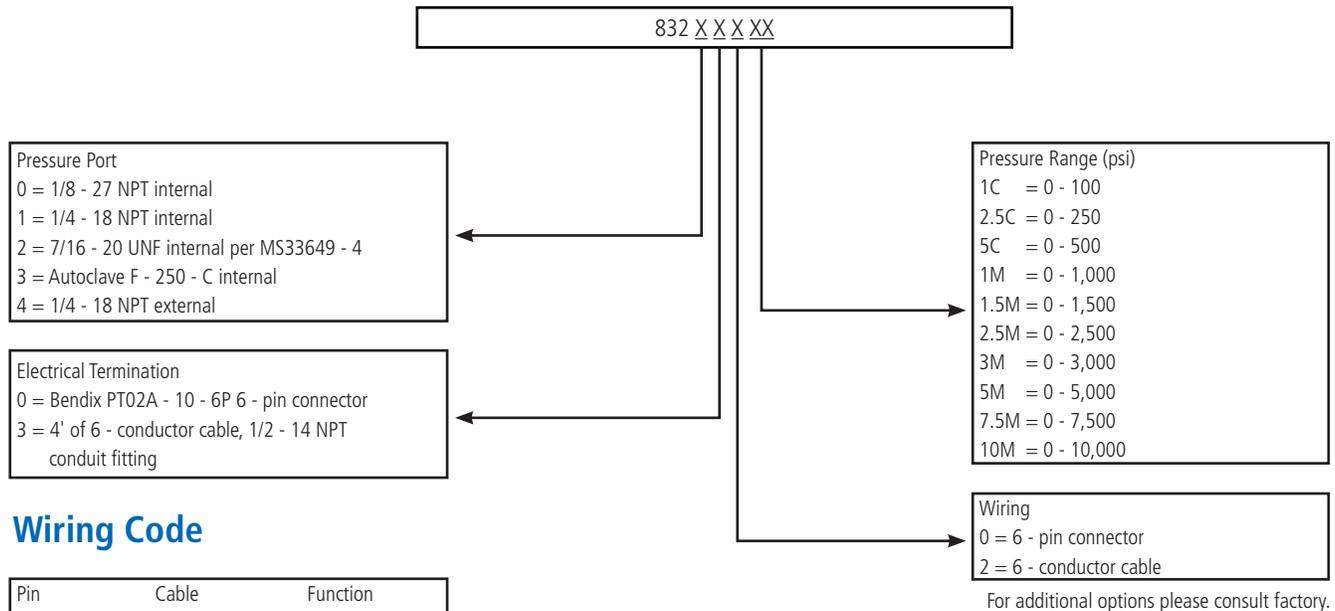
Features

- Accuracy $\pm 0.15\%$
- Excellent temperature compensation
- Welded, stainless steel construction
- 3mv/V output
- Internal shunt calibration

Performance Characteristics	
Pressure Range (psi):	0 - 100, 0 - 250, 0 - 500, 0 - 1,000, 0 - 1,500, 0 - 2,500, 0 - 3,000, 0 - 5,000, 0 - 7,500, 0 - 10,000
Accuracy:	±0.15% FSO including linearity, hysteresis, and repeatability
Electrical Characteristics	
Full Scale Output:	3 mV/V ±0.25%
Input/Output Resistance:	350 Ohms ±5 Ohms
Zero Balance:	±1% FSO
Insulation Resistance:	1,000 megohms @ 50 Vdc
Internal Shunt Calibration:	80% ±0.5% FSO
Excitation:	10 Vdc recommended, 15 Vdc maximum

Temperature Characteristics	
Operating Range:	-65°F to +250°F (-54°C to +120°C)
Compensated Range	0°F to 150°F (-18°C to +66°C)
Temperature Effect On Zero:	±0.003% full scale/°F (±0.005% full scale/°C)
Temperature Effect On Span:	±0.003% full scale/°F (±0.005% full scale/°C)
Mechanical Characteristics	
Safe Overpressure:	1.5 x rated pressure
Burst Pressure:	100 - 250 psi: 10 x rated pressure 500 - 3,000 psi: 5 x rated pressure 5,000 - 10,000 psi: 3 x rated pressure
Wetted Material:	17 - 4 PH, 15 - 5 PH stainless steel
Cover Material:	303, 304 stainless steel
Weight:	Approximately 13 ounces

Ordering Guide for 832 Pressure Sensor

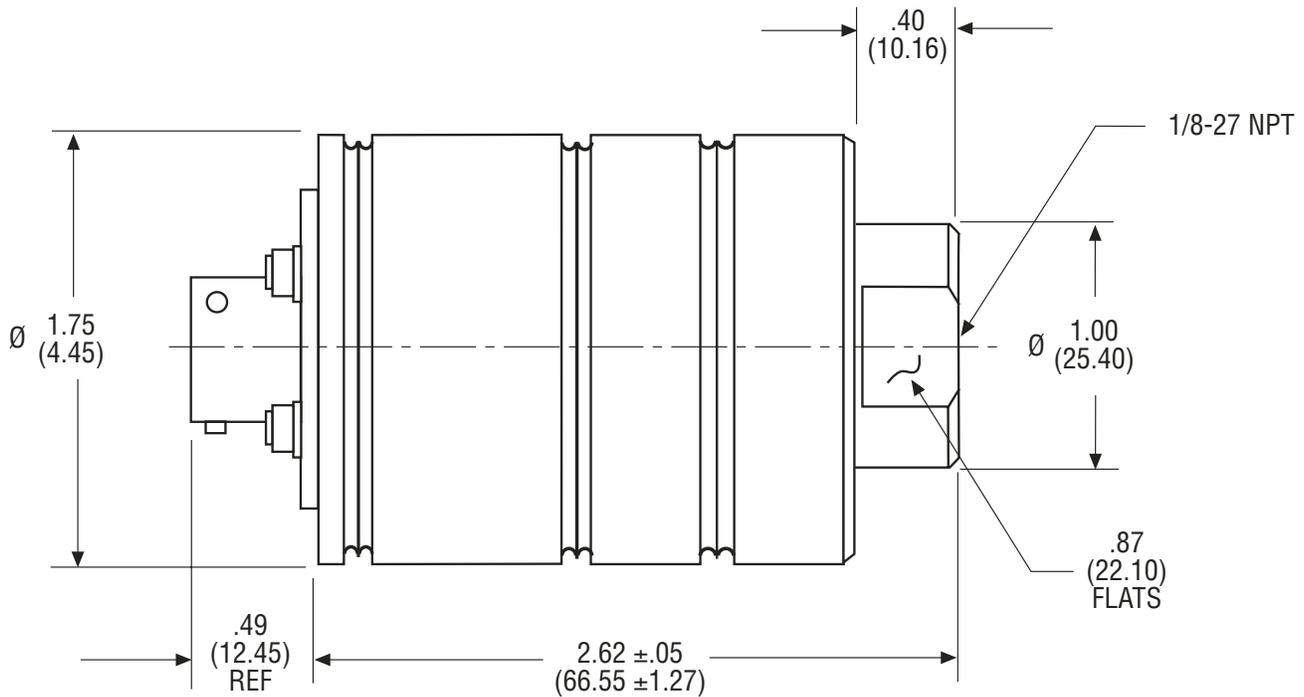


Wiring Code

Pin	Cable	Function
A	Red	Signal+
B	Black	Signal-
C	White	Excitation+
D	Green	Excitation-
E	Blue	Int. Shunt Cal.
F	Orange	Int. Shunt Cal.

For additional options please consult factory.

Dimensions



All dimensions are inches (mm) unless otherwise specified.



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 Refer to www.dynisco.com for access to Operator Manual and other support documentation.
 DS832
 Rev: 0117

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