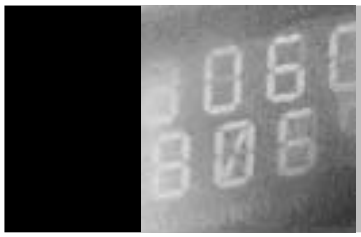
Dynisco



PT332C



Features

- Subminiature size
- Lightweight configuration
- Inconel 718 wetted parts
- Pressure ranges up to 25,000 psi
- Accuracy better than +/- 0.25%
- Temperature compensated

Benefits

- Fits in almost any mounting location
- Easy to mount and install
- Withstands harsh environments
- Customer defined pressure ranges
- Precise, repeatable measurements
- Accurate over a wide range of temperatures

Description

Dynisco offers a full line of subminiature pressure transducers, the PT332C series, in pressure ranges from 500 to 25,000 psi. The subminiature design provides a product that can be readily installed in space restricted areas. Applications include down hole tool and other hard to get to installations. The PT332C has an accuracy of 0.25% with a full scale output of 2 mV/V and has also been designed to used with operating temperatures up to 350°F (177°C). The Inconel 718 wetted parts makes it suitable for harsh environments.

Specifications

PERFORMANCE CHARACTERISTICS
Ranges: 0 - 500 to 0 - 25,000 psi
Output: 1.97 mV/V +/- 9%
Zero Balance: -1 +/- 2%
Excitation: 5 Vdc recommended, 15 Vdc maximum
Combined Error: +/- 0.25% FSO,
(Including Linearity, Repeatability & Hysteresis)
Bridge Resistance: Input & Output: 350 Ohms +/- 10%
Insulation Resistance: 1,000 megohms @ 50 Vdc
Over Pressure: 2 X FSO or 30,000 psi, whichever is less
Burst Pressure: 5 x rated pressure
or 35,000 psi, whichever is less

TEMPERATURE & MECHANICAL CHARACTERISTICS
Operating Temperature Range: -65 to 350°F (-54 to 177°C)
Compensated Temperature Range:
70 to 350°F (21 to 177°C)
Zero Effect on Zero: +/- 0.01% FS/°F (+/- 0.018% FS/°C)
Zero Effect on Span: +/- 0.02% FS/°F (+/- 0.036% FS/°C)

Wetted Material: Inconel 718
Weight: 1.8 Ounces

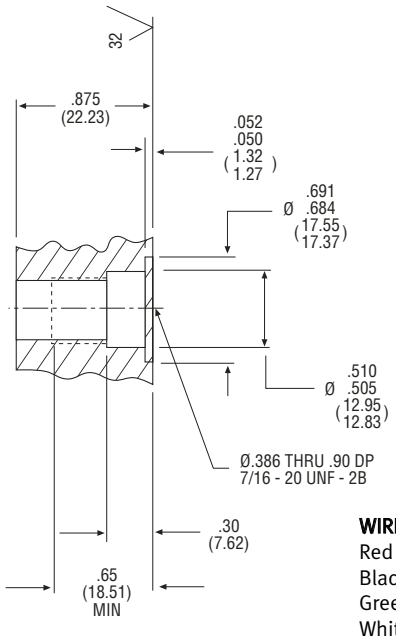
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INNOVATING FOR EFFICIENCY



PT332C-XX

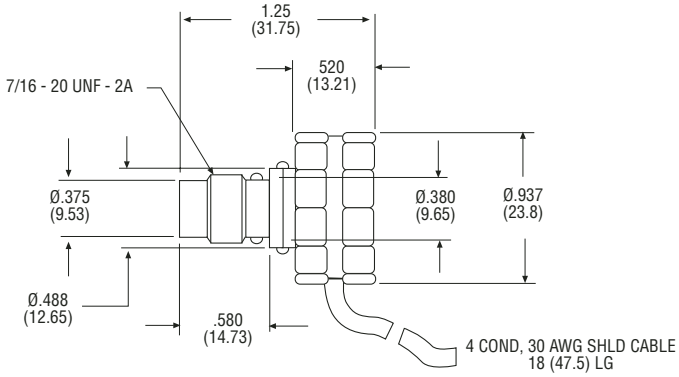
Pressure Range		
5C	=	500 psi
7.5C	=	750 psi
1M	=	1,000 psi
2.5M	=	2,500 psi
3M	=	3,000 psi
5M	=	5,000 psi
7.5M	=	7,500 psi
10M	=	10,000 psi
15M	=	15,000 psi
18.5M	=	18,500 psi
25M	=	25,000 psi



MOUNTING HOLE

WIRING

Red	Excitation +
Black	Excitation -
Green	Signal +
White	Signal -



TWO (2) O-RINGS SUPPLIED WITH TRANSDUCER

All dimensions are inches (mm).