



DYN-X Series

Stocked, Distributed, and Supported by

SENSORS
INCORPORATED

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Features

- Value priced
- Accuracy better than +/- 1.0%
- Dymax® coated stainless steel wetted parts
- Proven sensor design
- 0 - 500 to 0 -10,000 psi
- Internal 80% shunt calibration

Benefits

- Economical pressure measurement
- Repeatable pressure measurements
- Superior abrasion resistance
- Good stability and repeatability
- Wide variety of pressure ranges
- Easy to calibrate with local indicator

Description

The DYN-X Series transducer is a +/- 1.0% sensor ideal for general purpose melt pressure measurements requiring simple installation, repeatability and reliability. It is the value leader and widely accepted by OEMs and users throughout the world. The DYN-X transducers provide the industry standard 3.33 mV/V signal designed to work with most pressure indicators. Optional thermocouple or RTD configurations are available to provide melt temperature. The DYN-X features a 1/2-20 UNF thread for installation in standard transducer mounting holes and can be supplied with a variety of electrical connections.

Specifications

PERFORMANCE CHARACTERISTICS

Output: 3.33 mV/V +/- 2.0%

Input Voltage: 10 Vdc recommended, 12 Vdc maximum

Combined Error: +/- 1.0% FSO,
(Including Linearity, Repeatability & Hysteresis)

Repeatability: +/- 0.2%FSO

Configuration: Four-arm bonded foil Wheatstone bridge strain gage

Bridge Resistance: Input & Output: 345 Ohms minimum

Over Pressure: 2 X FSO

Zero Balance: +/- 10% FSO

Internal Shunt Calibration (R-Cal): 80% FSO +/- 1%

Insulation Resistance: 1000 megohms @ 50 Vdc

TEMPERATURE & MECHANICAL CHARACTERISTICS

Max Diaphragm Temperature: 750°F (400°C)

Zero Shift (due to temperature change):

25 psi/100°F Typical (45 psi/100°C)

Electronics Operating Temperature: 250°F (121°C)

Zero Shift Due to Temperature Change:

+/- 0.05% FS/°F max (+/- 0.10% FS/°C max)

Sensitivity Shift Due to Temperature Change:

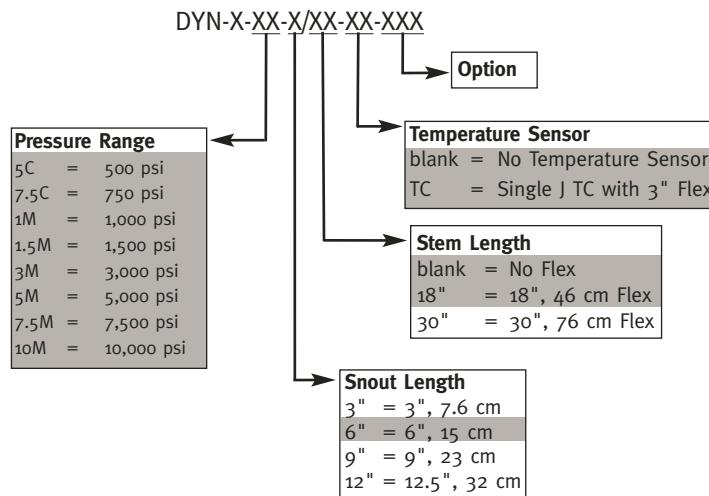
+/- 0.02% FS/°F max (+/- 0.04% FS/°C max)

Mounting Torque: 500 inch/lbs. maximum

Standard Wetted Parts: Dymax® coated 15-5 PH SST



Ordering Guide



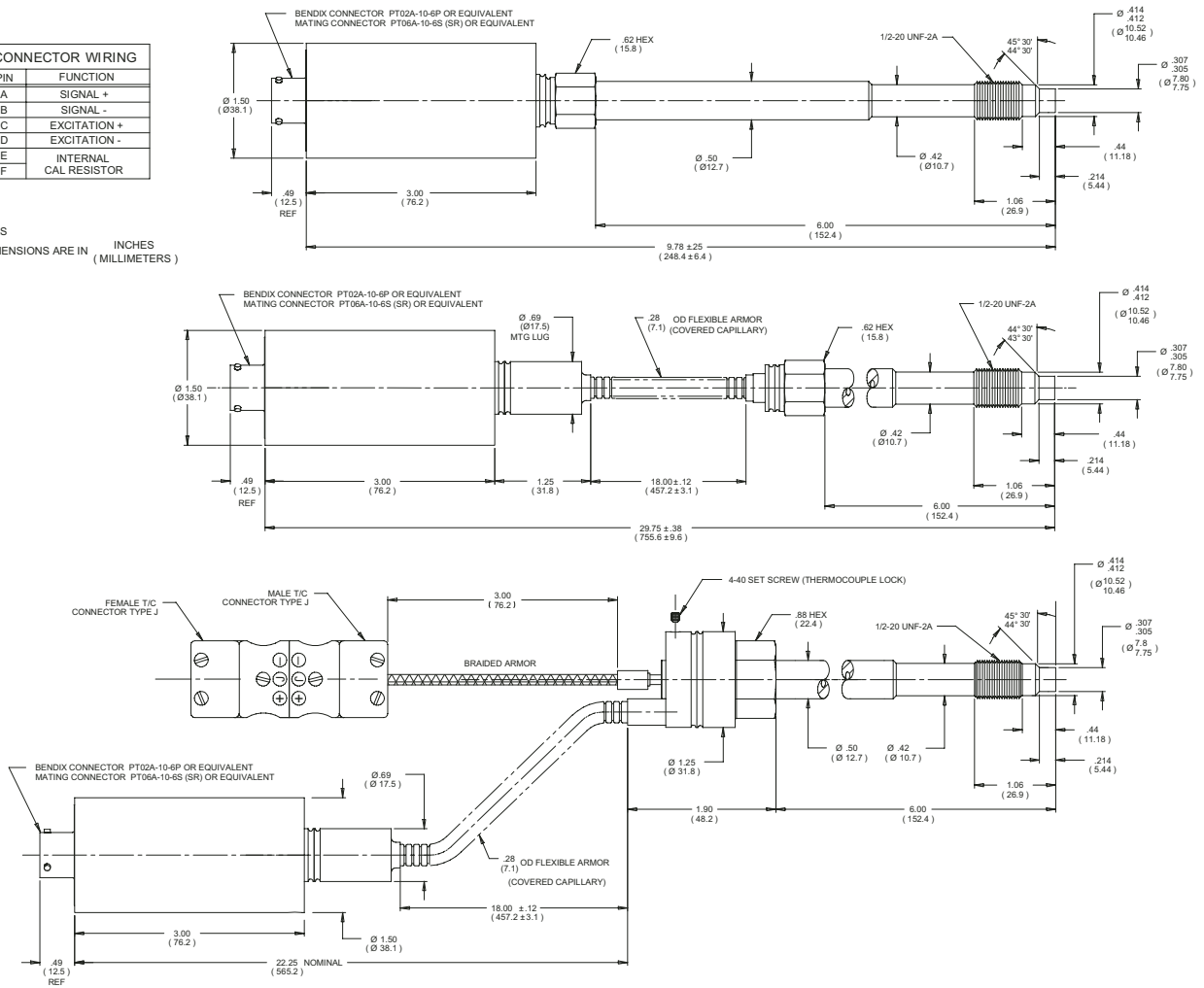
Standard mating connector Dynisco P/N 711600 or 6-pin mating connector cable assembly.

Shaded sections refer to standard configurations. Accuracy may be affected if non-standard configurations are used. For additional options please consult factory.



CONNECTOR WIRING	
PIN	FUNCTION
A	SIGNAL +
B	SIGNAL -
C	EXCITATION +
D	EXCITATION -
E	INTERNAL CAL RESISTOR
F	

NOTES
1. DIMENSIONS ARE IN INCHES (MILLIMETERS)



All dimensions are inches (mm).