

## DYN-X Series



### 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

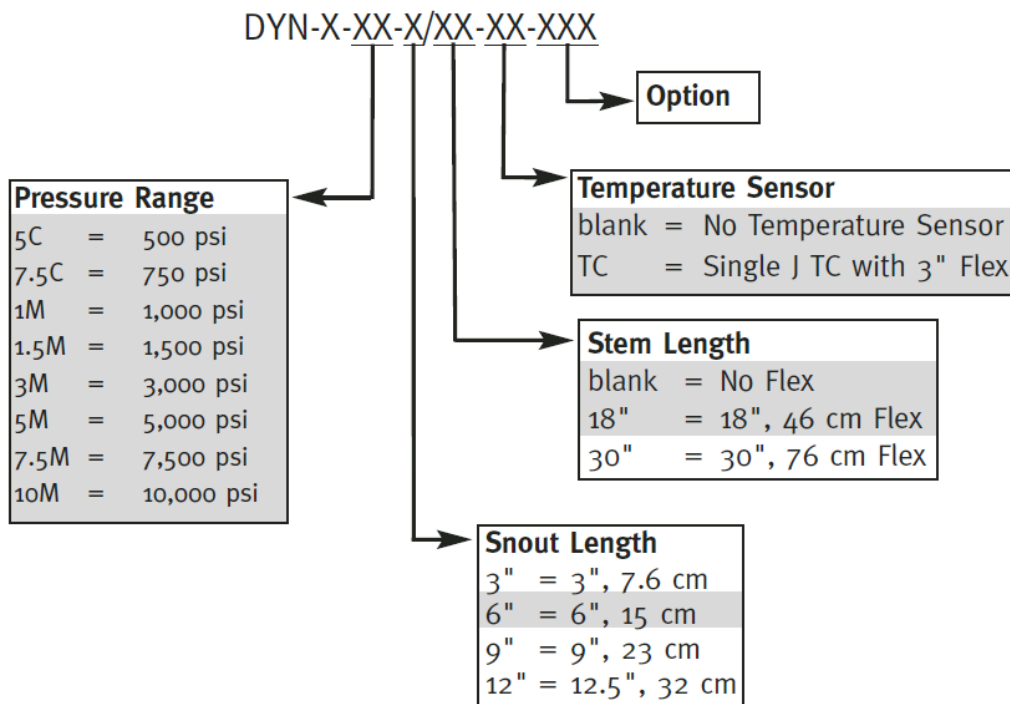
#### PERFORMANCE CHARACTERISTICS

**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:** 750oF (400oC)  
**Zero Shift (due to temperature change):**  
 25 psi/100oF Typical (45 psi/100oC)  
**Electronics Operating Temperature:** 250oF (121oC)  
**Zero Shift Due to Temperature Change:**  
 +/- 0.05% FS/oF max (+/- 0.10% FS/oC max)  
**Sensitivity Shift Due to Temperature Change:**  
 +/- 0.02% FS/oF max (+/- 0.04% FS/oC 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.

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

NOTES  
1. DIMENSIONS ARE IN INCHES (MILLIMETERS)

