

DYN-X Series



Features

- Value priced
- Accuracy better than $\pm 1.0\%$
- 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 $\pm 1.0\%$ 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

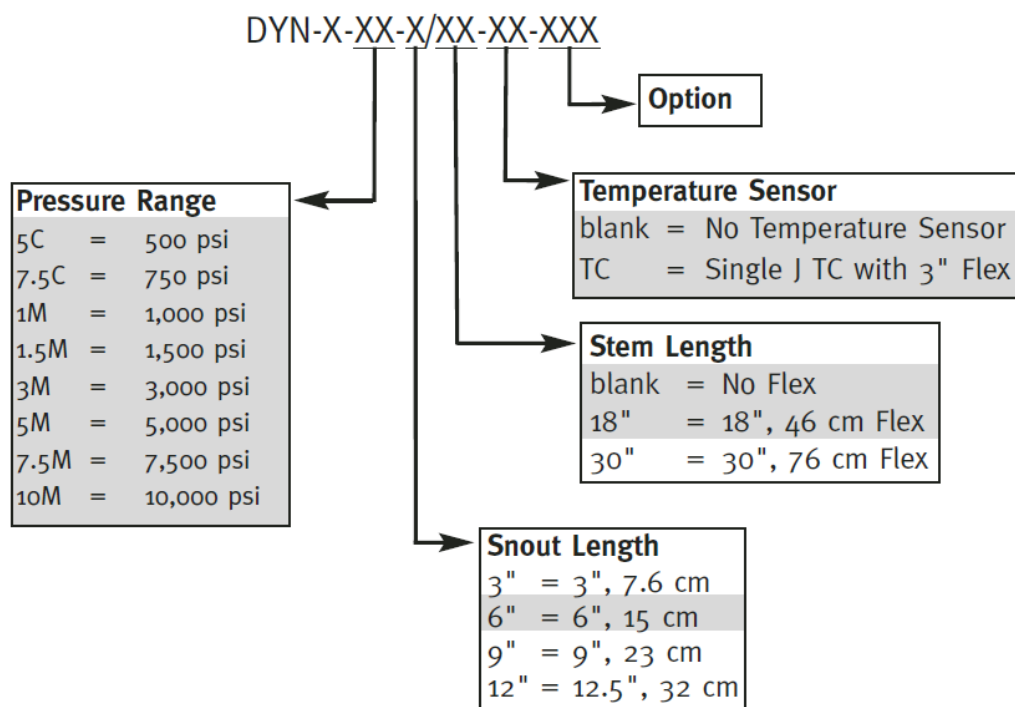
PERFORMANCE CHARACTERISTICS

Output: 3.33 mV/V $\pm 2.0\%$
Input Voltage: 10 Vdc recommended, 12 Vdc maximum
Combined Error: $\pm 1.0\%$ FSO,
 (Including Linearity, Repeatability & Hysteresis)
Repeatability: $\pm 0.2\%$ FSO
Configuration: Four-arm bonded foil Wheatstone bridge strain gage
Bridge Resistance: Input & Output: 345 Ohms minimum
Over Pressure: 2 X FSO
Zero Balance: $\pm 10\%$ FSO
Internal Shunt Calibration (R-Cal): 80% FSO $\pm 1\%$
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:
 $\pm 0.05\%$ FS/oF max ($\pm 0.10\%$ FS/oC max)
Sensitivity Shift Due to Temperature Change:
 $\pm 0.02\%$ FS/oF max ($\pm 0.04\%$ 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)

