

Dyn-X-V Melt Pressure Sensors

IDEAL FOR GENERAL PURPOSE
MELT PRESSURE MEASUREMENTS



Description

The DYN-X-V Series transmitter is a $\pm 1.0\%$ sensor ideal for general purpose melt pressure measurements requiring simple installation, repeatability and reliability. The DYN-X-V transmitters provide the industry standard 0 - 10 Vdc amplified signal designed to work with DCS and PLCs. The DYN-X-V comes equipped with zero and span pots to adapt the transmitter to process conditions. Optional thermocouple or RTD configurations are available to provide melt temperature. The DYN-X-V features a 1/2-20 UNF thread for installation in standard transducer mounting holes and can be supplied with a variety of electrical connections.

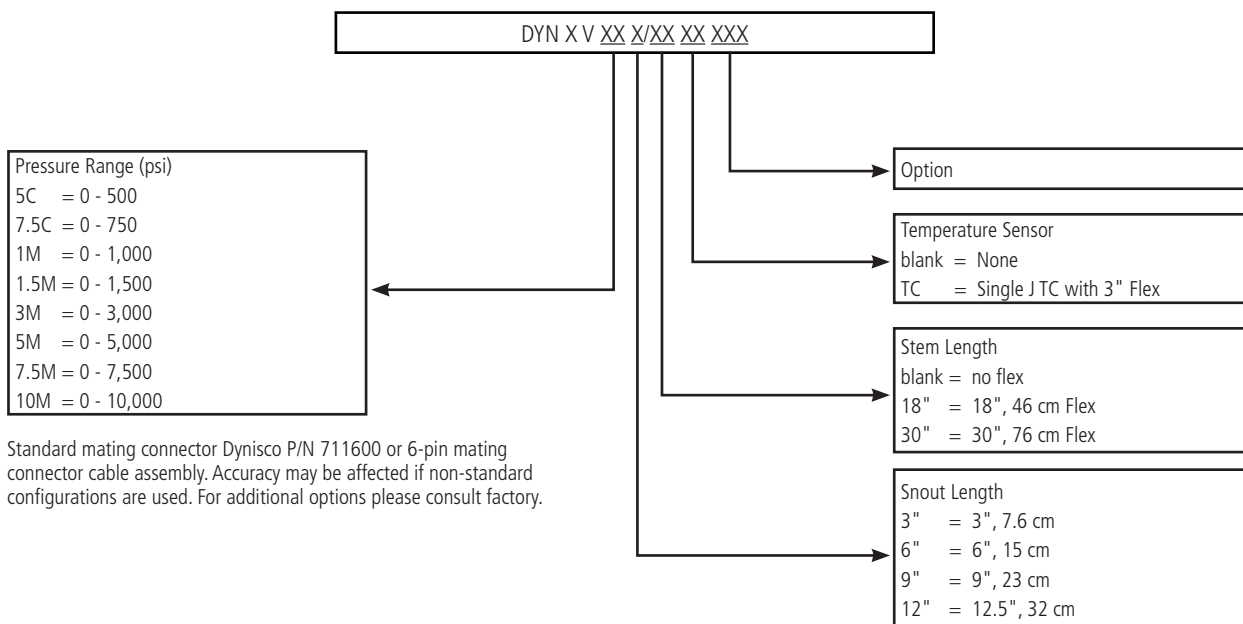
Features

- Adjustable zero and span
- Accuracy better than $\pm 1.0\%$
- DyMax® coated stainless steel wetted parts
- 0 - 10 Vdc outputs
- 0 - 500 to 0 - 10,000 psi
- Internal 80% shunt calibrations

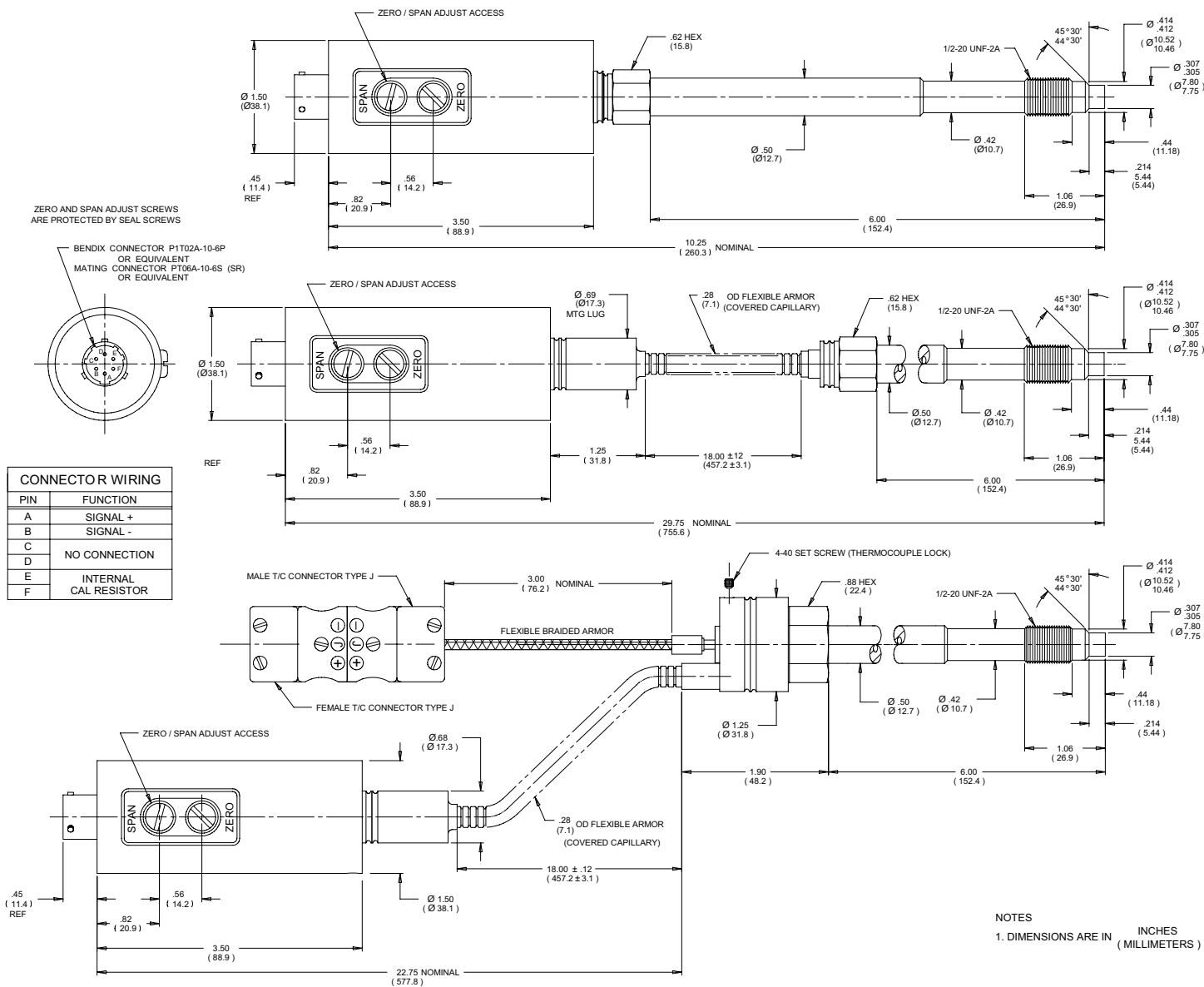
Performance Characteristics	
Output:	0 - 10 Vdc
Input Voltage:	16 - 36 Vdc
Combined Error:	±1.0% FSO, (Including Linearity, Repeatability & Hysteresis)
Repeatability:	±0.2%FSO
Configuration:	Four-arm bonded foil Wheat- stone bridge strain gage
Load Resistance:	2,000 Ohms minimum
Over Pressure:	2 X FSO or 35,000 psi (whichever is less)
Zero Balance Adjustment Range:	±15%
Span Adjustment Range:	±15%
Internal Shunt Calibration (R-Cal):	80% FSO

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:	-20°F to 160°F (-29°C to 71°C)
Zero Shift (due to temperature change):	+/- 0.05% FS/°F max (+/- 0.10% FS/°C max)
Span 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 for Dyn-X-V Melt Pressure Sensors



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.
 DSDYNXV
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