

PT467XL

THE CLASSIC MELT PRESSURE TRANSDUCER
FOR SPACE RESTRICTED AREAS



Description

Dynisco model PT467XL is similar to the PT462E yet features a 0.06" diameter exposed capillary. This allows 1/16" radius bends in applications where mounting space is limited. It also has a free - spinning jam nut that simplifies installation.

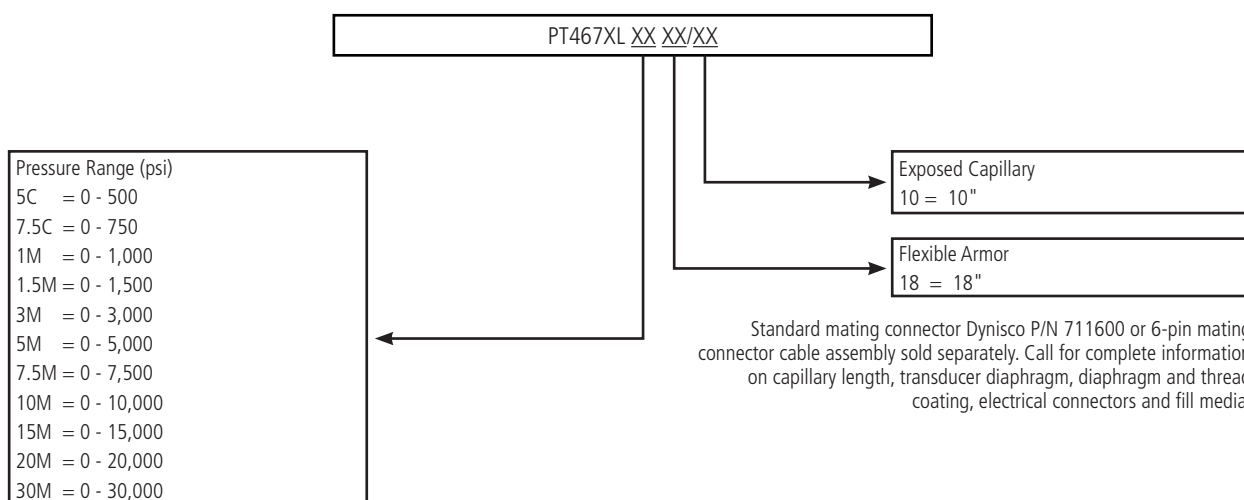
Features

- Better than $\pm 0.5\%$ accuracy
- 3.33 mV/V FSO
- Internal 80% shunt calibration
- All stainless steel wetted parts
- 0 - 500 to 0 - 30,000 psi
- Good stability and repeatability
- Exposed, bendable capillary

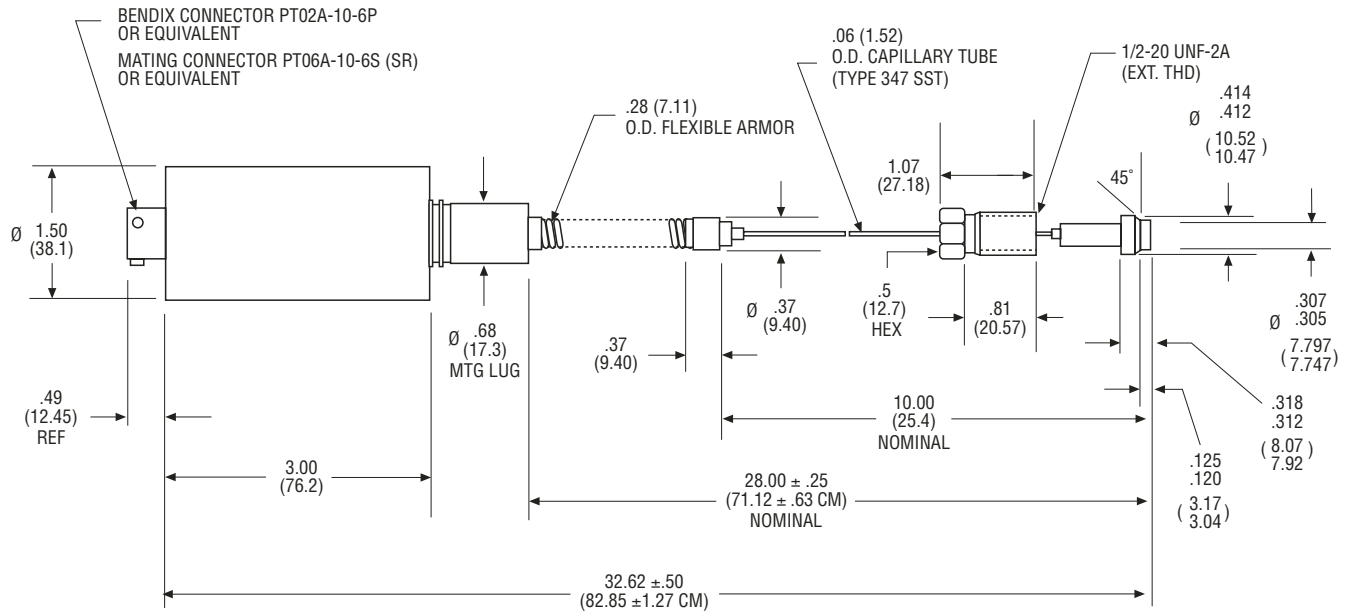
Performance Characteristics	
Ranges (psi):	0 - 500, 0 - 750, 0 - 1,000, 0 - 1,500, 0 - 3,000, 0 - 5,000, 0 - 7,500, 0 - 10,000, 0 - 15,000, 0 - 20,000, 0 - 30,000
Accuracy:	0.5% FSO
Repeatability:	±0.2% FSO
Mounting Torque:	500 inch - lbs. maximum
Maximum Pressure:	2 x full range or 35,000 psi (whichever is less)
Material in Contact with Pressure Media:	15 - 5 PH stainless steel, Dymax® coated
Weight:	1.5 lbs.
Electrical Characteristics	
Configuration:	Four active arm bonded Wheatstone bridge strain gage
Bridge Resistance:	Input: 345 Ohms minimum; Output: 350 Ohms ±10%
Full Scale Output:	3.33 mV/V ±2.0%
Zero Balance:	±10% full scale
Excitation:	10 Vdc recommended, 12 Vdc maximum
Internal Shunt Calibration (R-Cal):	80% FSO ±1.0%
Insulation Resistance:	1,000 megohms at 50 Vdc

Temperature Characteristics	
Transducer Diaphragm:	
Maximum Diaphragm Temperature:	750°F (400°C)
Zero Shift due to Temperature Change:	25 psi/100°F maximum (45 psi/100°C)
Electronics Housing:	
Maximum Temperature:	250°F (121°C)
Zero Shift due to Temperature Change:	0.05% full scale/°F maximum (0.10% full scale/°C)
Sensitivity Shift due to Temperature Change:	0.02% full scale/°F maximum (0.04% full scale/°C)

Ordering Guide for PT467XL



Dimensions



All dimensions are in inches (millimeters) unless otherwise specified

