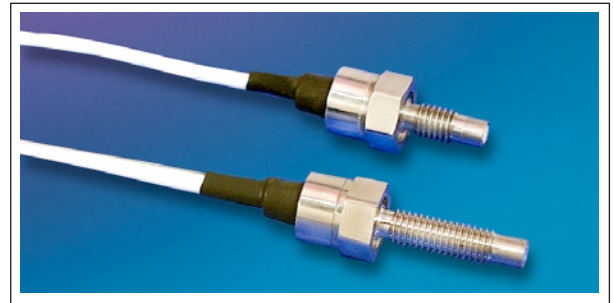




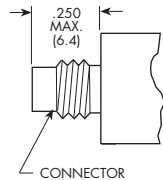
MINIATURE RUGGEDIZED IS® PRESSURE TRANSDUCER XT-190 (M) SERIES

- Easy Installation
- High Natural Frequency

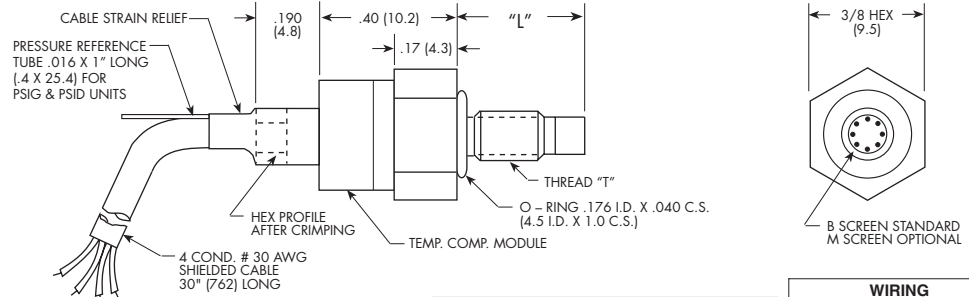
The ruggedness of this sensor has not compromised its performance. It was designed for ease of installation.



OPTIONAL CONNECTOR VERSION



NOT AVAILABLE ON DIFFERENTIAL UNIT



P/N	"T"	"L"	
190	10-32 UNF-2A	.437	11.1 mm
190M	M5 X .8	.437	11.1 mm
190	10-32 UNF-2A	.760	19.3 mm
190M	M5 X .8	.760	19.3 mm

WIRING	
COLOR	DESIGNATION
RED	+ INPUT
BLACK	- INPUT
GREEN	+ OUTPUT
WHITE	- OUTPUT

CONSULT FACTORY FOR SPECS. ON SEALED GAGE

INPUT	0.35	0.7	1.7	3.5	7	17	35	70	140 BAR
Pressure Range	5	10	25	50	100	250	500	1000	2000 PSI
Operational Mode	Absolute, Gage, Sealed Gage, Differential					Absolute, Sealed Gage			
Over Pressure	2 Times Rated Pressure to a Maximum of 3000 PSI (210 BAR)								
Burst Pressure	3 Times Rated Pressure to a Maximum of 5000 PSI (350 BAR)								
Pressure Media	All Nonconductive, Noncorrosive Liquids or Gases								
Rated Electrical Excitation	10 VDC/AC								
Maximum Electrical Excitation	15 VDC/AC								
Input Impedance	1000 Ohms (Min.)								
OUTPUT									
Output Impedance	1000 Ohms (Nom.)								
Full Scale Output (FSO)	100 mV (Nom.)								
Residual Unbalance	± 5 mV (Typ.)								
Combined Non-Linearity, Hysteresis and Repeatability	± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.)								
Resolution	Infinitesimal								
Natural Frequency (KHz) (Typ.)	150	175	240	300	380	550	700	1000	1400
Acceleration Sensitivity % FS/g Perpendicular Transverse	1.5x10 ⁻³ 2.2x10 ⁻⁴	1.0x10 ⁻³ 1.4x10 ⁻⁴	5.0x10 ⁻⁴ 6.0x10 ⁻⁵	3.0x10 ⁻⁴ 4.0x10 ⁻⁵	1.5x10 ⁻⁴ 2.0x10 ⁻⁵	1.0x10 ⁻⁴ 9.0x10 ⁻⁶	6.0x10 ⁻⁵ 6.0x10 ⁻⁶	4.5x10 ⁻⁵ 3.0x10 ⁻⁶	2.0x10 ⁻⁵ 2.0x10 ⁻⁶
Insulation Resistance	100 Megohm Min. @ 50 VDC								
ENVIRONMENTAL									
Operating Temperature Range	-65°F to +350°F (-55°C to +175°C)								
Compensated Temperature Range	+80°F to +180°F (+25°C to +80°C) Any 100°F Range Within The Operating Range on Request								
Thermal Zero Shift	± 1% FS/100°F (Typ.)								
Thermal Sensitivity Shift	± 1% /100°F (Typ.)								
Steady Acceleration	10,000g. (Max.)								
Linear Vibration	10-2,000 Hz Sine, 100g. (Max.)								
PHYSICAL									
Electrical Connection	4 Conductor 30 AWG Shielded Cable 30" Long								
Weight	4 Grams (Nom.) Excluding Cable								
Pressure Sensing Principle	Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon								
Mounting Torque	15 Inch-Pounds (Max.) 1.7 N-m								

Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. Continuous development and refinement of our products may result in specification changes without notice - all dimensions nominal. (C)