

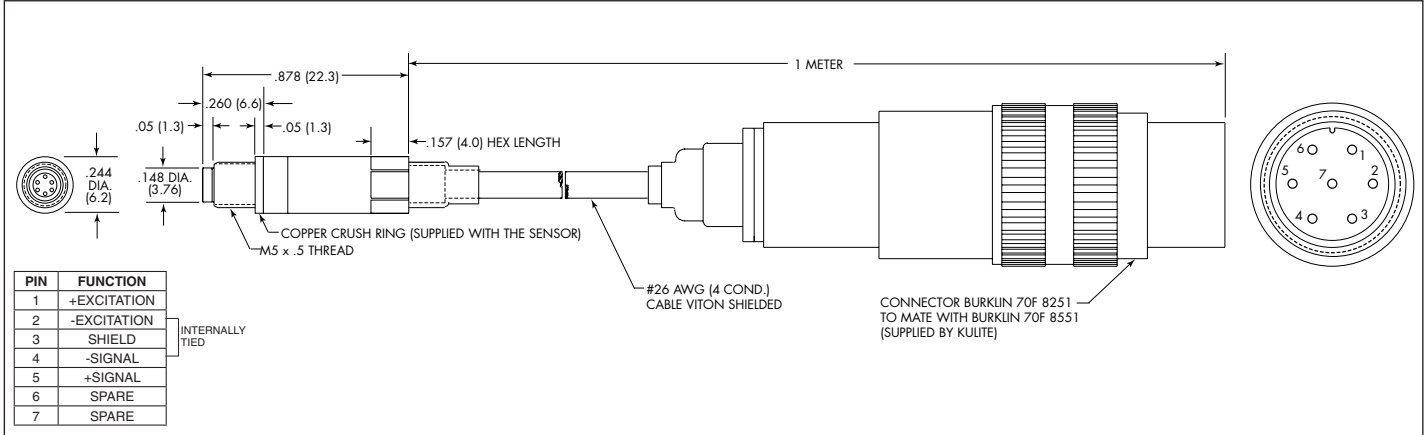


MINIATURE AUTOMOTIVE 5VDC OUTPUT IS[®] PRESSURE TRANSDUCER INLET PRESSURE TRANSDUCER

ETL-184(X)-190 (M) SERIES

- High Bandwidth With Integrated Amplifier
- Excellent Long Term Stability Coupled With High Accuracy
- Patented Leadless Technology
- Robust Construction

The ETL-184 Series results in a highly stable, reliable, and rugged instrument with all the advantages of microcircuitry: significant miniaturization, excellent repeatability, low power consumption, etc. The miniaturization process also yields a marked increase in the natural frequencies of the transducers. It is small, versatile, and requires no additional signal conditioning.



	ETL-184A-190M	ETL-184B-190M	ETL-184C-190M
INPUT			
Pressure Range	2 BAR (Other Ranges Available Upon Request)		
Operational Mode	Absolute		
Over Pressure	2 Times Rated Pressure		
Burst Pressure	3 Times Rated Pressure		
Pressure Media	Air, Water, Oil, Fuel		
Rated Electrical Excitation	12 ± 4 VDC	24 ± 4 VDC	24 ± 4 VDC
Maximum Current	10 mA		
OUTPUT			
Output Impedance	< 100 Ohms		
Full Scale Output (FSO)	4.5 VDC ± 75 mV	5 VDC ± 75 mV	9.5 VDC ± 150 mV
Residual Unbalance	± 500 mV ± 75 mV		
Combined Non-Linearity and Hysteresis Error	< 0.2% FS		
Resolution	Infinitesimal		
Frequency Response	> 50 kHz		
Insulation Resistance	> 100 Meg Ohm @ 50 V		
ENVIRONMENTAL			
Operating Temperature Range	+68°F to 350°F (+20°C to +175°C) +257°F (+125°C) Max. For The Amplifier		
Diagnosis Temperature Range	+68°F to 320°F (+20°C to +160°C)		
Compensated Temperature Range	+68°F to 167°F (+20°C to +75°C)		
Total Error Band (Including Non-Linearity, Hysteresis, Thermal Effects, Long Term Stability, Mounting Influence)	± 1% FS For Compensated Temperature Range Ref. To +100°F ± 3% For Diagnosis Temperature Range Ref. To +100°F		
PHYSICAL			
Electrical Connection	Burlklin 70F 8251 Connector (Mating Connector Supplied)		
Weight	< 15 Grams (Without Cable and Amplifier Module)		
Pressure Sensing Principle	Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology		
Torque Sensitivity	< 0.2% FS		
Mounting Torque	4 Nm (Max.)		

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.