

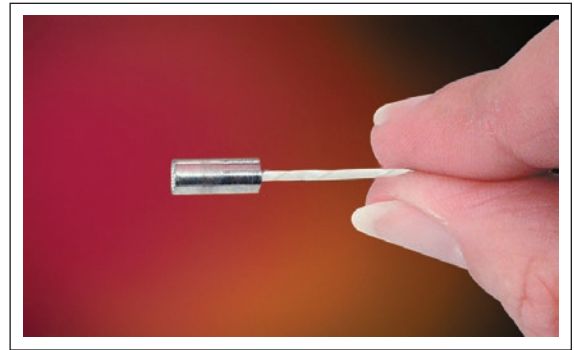


# HIGH TEMPERATURE SHORT LENGTH PRESSURE TRANSDUCER

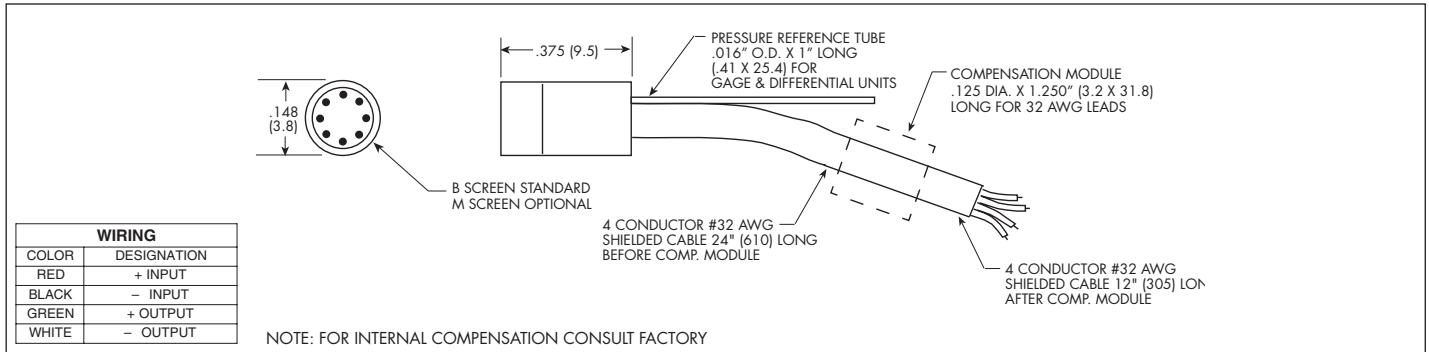
## XCEL-152 SERIES

- Wide Temperature Capability -65°F To 525°F
- Designed For Harsh Environments
- Ideal For Turbine Engine Probes and Wind Tunnel Applications
- Patented Leadless Technology VIS®
- Designed For Both Static and Dynamic Response
- Suitable For Use in Most Conductive Liquids and Gases

The XCEL-152 design features Kulite's patented leadless technology. This allows for a very rugged package suited for probes, pressure rakes and other similar test set ups. This transducer is well suited for both dynamic and static pressure measurements in benign or harsh environments. Its wide operating temperature range (-65°F to +525°F) makes it ideal for numerous applications in Aerospace and other areas of Industry.



Kulite recommends the [KSC-2](#) signal conditioner to maximize the measurement capability of the XCEL-152 transducer.



	0.7 10	1.0 15	1.7 25	3.5 50	7 100	17 250	35 500	70 BAR 1000 PSI
<b>INPUT</b>	Pressure Range		Absolute, Gage, Differential		Absolute, Gage, Sealed Gage, Differential		Absolute, Sealed Gage	
	Operational Mode							
	Over Pressure							
	Burst Pressure							
	Pressure Media							
	Rated Electrical Excitation							
	Maximum Electrical Excitation							
	Input Impedance							
<b>OUTPUT</b>	Output Impedance							
	Full Scale Output (FSO)							
	Residual Unbalance							
	Combined Non-Linearity, Hysteresis and Repeatability							
	Resolution							
	Natural Frequency of Sensor Without Screen (KHz) (Typ.)							
	Acceleration Sensitivity % FS/g Perpendicular							
	Insulation Resistance							
<b>ENVIRONMENTAL</b>	Operating Temperature Range							
	Compensated Temperature Range							
	Thermal Zero Shift							
	Thermal Sensitivity Shift							
	Steady Acceleration							
	Linear Vibration							
<b>PHYSICAL</b>	Electrical Connection							
	Weight							
	Pressure Sensing Principle							

Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. (F) Continuous development and refinement of our products may result in specification changes without notice. Copyright © 2014 Kulite Semiconductor Products, Inc. All Rights Reserved. Kulite miniature pressure transducers are intended for use in test and research and development programs and are not necessarily designed to be used in production applications. For products designed to be used in production programs, please consult the factory.