

Model Number 740B02		UNIAXIAL ICP® STRAIN SENSOR		Revision: G ECN #: 22938											
Performance Sensitivity (± 20 %) Measurement Range Frequency Range Broadband Resolution (1 to 10,000 Hz) Non-Linearity Transverse Sensitivity Environmental Overload Limit (Shock) Temperature Range Acceleration Sensitivity Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz) Spectral Noise (10 kHz) Physical Sensing Element Housing Material Sealing Size (Width x Length x Height) Weight Electrical Connector Electrical Connection Position Cable Termination Mounting Cable Length Cable Type ENGLISH 50 mV/μe 100 pk μe 0.5 to 100,000 Hz 0.6 ne ≤ 1 % ≤ 5 % ± 10,000 g pk -65 to +250 °F 0.001 μe/g 20 to 30 VDC 2 to 20 mA <100 ohm 8 to 14 VDC 1 to 3 sec 210 pe/√Hz 70 pe/√Hz 20 pe/√Hz 5 pe/√Hz 1 pe/√Hz Quartz Titanium Epoxy 0.2 in x 0.6 in x 0.07 in 0.02 oz Integral Cable Side Adhesive 10 ft 030 Coaxial SI 50 mV/μe 100 pk μe 0.5 to 100,000 Hz 0.6 ne ≤ 1 % ≤ 5 % ± 98,000 m/s² pk -53 to +121 °C 0.0001 μe/(m/s²) 20 to 30 VDC 2 to 20 mA <100 ohm 8 to 14 VDC 1 to 3 sec 210 pe/√Hz 70 pe/√Hz 20 pe/√Hz 5 pe/√Hz 1 pe/√Hz Quartz Titanium Epoxy 5.1 mm x 15.2 mm x 1.8 mm 0.5 gm Integral Cable Side Adhesive 3 m 030 Coaxial [3] [4] [1] [5] [1] [2][1] [1] [1] [1] [1] [1] [1] [1]						OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.		NOTES: [1] Typical. [2] Measured perpendicular to sensing axis. [3] Calibrated on steel bar. [4] Based on cable drive of 100 ft at 30 pF/ft 20 mA excitation. [5] Zero-based, least-squares, straight line method. [6] See PCB Declaration of Conformance PS023 for details.		SUPPLIED ACCESSORIES: Model 039A07 Removal Tool (1) Model 080A90 Quick Bonding Gel (1) Model ACS-15 Piezoelectric Strain Sensor Calibration Certificate. (1)					
 [6]		<table border="1"> <tr> <td>Entered: <i>Jet</i></td> <td>Engineer: <i>AEK</i></td> <td>Sales: <i>WX</i></td> <td>Approved: <i>MB</i></td> <td>Spec Number:</td> </tr> <tr> <td>Date: <i>10/5/05</i></td> <td>Date: <i>10-5-05</i></td> <td>Date: <i>10/5/5</i></td> <td>Date: <i>10/5/5</i></td> <td>9599</td> </tr> </table>				Entered: <i>Jet</i>	Engineer: <i>AEK</i>	Sales: <i>WX</i>	Approved: <i>MB</i>	Spec Number:	Date: <i>10/5/05</i>	Date: <i>10-5-05</i>	Date: <i>10/5/5</i>	Date: <i>10/5/5</i>	9599
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<i>All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.		 PCB PIEZOTRONICS™ VIBRATION DIVISION 3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-685-3886 E-Mail: vibration@pcb.com													