

Model Number 740B02	<b>STRAIN SENSOR, ICP<sup>®</sup>, UNIAXIAL</b>			Revision G ECN #: 22938										
<b>Performance</b> Sensitivity (±20 %) Frequency Range Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> 50 mV/με 0.5 to 100000 Hz 0.6 nε ≤1 % ≤5 %	<b>SI</b> 50 mV/με 0.5 to 100000 Hz 0.6 nε ≤1 % ≤5 %	[3] [4] [1] [5] [1]	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)										
<b>Environmental</b> Overload Limit (Shock) Temperature Range Acceleration Sensitivity	±10000 g pk -65 to +250 °F 0.001 με/g	±98000 m/s <sup>2</sup> pk -53 to +121 °C 0.0001 με/(m/s <sup>2</sup> )	[1][2]	<b>Notes</b> [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.										
<b>Electrical</b> 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)	20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC 1 to 3 sec 210 pε/√Hz 70 pε/√Hz 20 pε/√Hz 5 pε/√Hz 1 pε/√Hz	20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC 1 to 3 sec 210 pε/√Hz 70 pε/√Hz 20 pε/√Hz 5 pε/√Hz 1 pε/√Hz	[1] [1] [1] [1] [1]	<b>Supplied Accessories</b> 039A07 Removal Tool (1) 080A90 Quick Bonding Gel (1) ACS-15 Piezoelectric Strain Sensor Calibration Certificate. (1)										
<b>Physical</b> Sensing Element Housing Material Sealing Size (Width x Length x Height) Weight Electrical Connector Electrical Connection Position Mounting Cable Length Cable Type	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	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	[1]											
														
<p>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. ICP<sup>®</sup> is a registered trademark of PCB group, Inc.</p>				<table border="1" data-bbox="1129 1175 2011 1247"> <tr> <td>Entered: LLH</td> <td>Engineer: GZ</td> <td>Sales: WDC</td> <td>Approved: JJB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 10/05/2005</td> <td>Date: 10/05/2005</td> <td>Date: 10/05/2005</td> <td>Date: 10/05/2005</td> <td><b>9599</b></td> </tr> </table> <p data-bbox="1138 1273 1524 1344">  </p> <p data-bbox="1570 1273 1801 1445"> 3425 Walden Avenue  Depew, NY 14043  UNITED STATES  Phone: 800-828-8840  Fax: 716-684-0987  E-mail: info@pcb.com  Web site: www.pcb.com </p>	Entered: LLH	Engineer: GZ	Sales: WDC	Approved: JJB	Spec Number:	Date: 10/05/2005	Date: 10/05/2005	Date: 10/05/2005	Date: 10/05/2005	<b>9599</b>
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