





Model Number 137B23B	ICP® PRESSURE SENSOR			Revision B ECN #: 39466										
Performance Measurement Range (for ±5V output) Useful Overrange (for ± 10V output) Sensitivity (±15 %) Maximum Pressure Resolution Resonant Frequency Rise Time (Incident) Non-Linearity	ENGLISH 50 psi 100 psi 100 mV/psi 1 kpsi 10 mpsi ≥400 kHz ≤6.5 μ sec ≤1.0 % FS	SI 345 kPa 690 kPa 14.5 mV/kPa 6895 kPa 0.069 kPa ≥400 kHz ≤6.5 μ sec ≤1.0 % FS	[1] [2] [3]	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) Notes [1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2] Typical. [3] Zero-based, least-squares, straight line method. [4] See PCB Declaration of Conformance PS023 for details.										
Environmental Temperature Range (Operating) Temperature Coefficient of Sensitivity	-100 to +275 °F ≤0.05 %/°F	-73 to +135 °C ≤0.090 %/°C		Supplied Accessories PCS-6 Calibration of Series 134, 137, and 138 (1)										
Electrical Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	≥0.2 sec 22 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC	≥0.2 sec 22 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC												
Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Compression Quartz Aluminum Invar Epoxy BNC Jack 12.4 oz	Compression Quartz Aluminum Invar Epoxy BNC Jack 352 gm	[2]											
 [4]	<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® is a registered trademark of PCB group, Inc.</p>													
<table border="1"> <tr> <td>Entered: ECB</td> <td>Engineer: MJN</td> <td>Sales: RWM</td> <td>Approved: TB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 07/26/2012</td> <td>Date: 07/26/2012</td> <td>Date: 07/26/2012</td> <td>Date: 07/26/2012</td> <td>46932</td> </tr> </table>					Entered: ECB	Engineer: MJN	Sales: RWM	Approved: TB	Spec Number:	Date: 07/26/2012	Date: 07/26/2012	Date: 07/26/2012	Date: 07/26/2012	46932
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<table> <tr> <td data-bbox="1113 1266 1554 1347">  </td> <td data-bbox="1554 1266 2016 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 </td> </tr> </table>						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								
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