





Model Number 137B24B	ICP® PRESSURE SENSOR			Revision A ECN #: 41884										
<b>Performance</b> Measurement Range (for ±5V output) Measurement Range (for ±10V output) Sensitivity (±15 %) Maximum Pressure Resolution Resonant Frequency Rise Time (Incident) Non-Linearity	<b>ENGLISH</b> 250 psi 500 psi 20 mV/psi 5 kpsi .7 mpsi ≥400 kHz ≤6.5 μ sec ≤1.0 % FS	<b>SI</b> 1724 kPa 3447 kpsi 2.90 mV/kPa 34474 kPa .005 kPa ≥400 kHz ≤6.5 μ sec ≤1.0 % FS	[1]       [2]       [3]	<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>Notes</b> [1] For +10 volt output, minimum 26 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.										
<b>Environmental</b> Temperature Range (Operating) Temperature Coefficient of Sensitivity	-100 to +275 °F ≤0.05 %/°F	-73 to +135 °C ≤0.090 %/°C		<b>Supplied Accessories</b> PCS-6 Calibration of Series 134, 137, and 138 (1)										
<b>Electrical</b> Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	≥0.2 sec 20 to 30 VDC 2 to 20 mA ≤200 Ohm 8 to 14 VDC	≥0.2 sec 20 to 30 VDC 2 to 20 mA ≤200 Ohm 8 to 14 VDC												
<b>Physical</b> 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: AP</td> <td>Engineer: JDK</td> <td>Sales: RWM</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 08/14/2013</td> <td>Date: 08/14/2013</td> <td>Date: 08/14/2013</td> <td>Date: 08/14/2013</td> <td><b>55320</b></td> </tr> </table>					Entered: AP	Engineer: JDK	Sales: RWM	Approved: BAM	Spec Number:	Date: 08/14/2013	Date: 08/14/2013	Date: 08/14/2013	Date: 08/14/2013	<b>55320</b>
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<table> <tr> <td data-bbox="1115 1268 1566 1344">  </td> <td data-bbox="1566 1268 2028 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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