





Model Number 137B22A	ICP® PRESSURE SENSOR			Revision A ECN #: 41884										
Performance Measurement Range (for ±5V output) Measurement Range (for ±10V output) Sensitivity (±15 %) Maximum Pressure Resolution Resonant Frequency Rise Time (Incident) Non-Linearity	ENGLISH 500 psi 1 kpsi 10 mV/psi 5 kpsi 1 mpsi ≥400 kHz ≤6.5 μ sec ≤1.0 % FS	SI 3447 kPa 6895 kpsi 1.45 mV/kPa 34474 kPa .007 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 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.										
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 20 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC	≥0.2 sec 20 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: 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>55317</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	55317
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	55317										
<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								
	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													