


Model Number <b>137B22B</b>	<b>ICP® PRESSURE SENSOR</b>		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> 500 psi 1 kpsi 10 mV/psi 5 kpsi 1 mpsi ≥ 400 kHz ≤ 6.5 μ sec ≤ 1.0 % FS	<b>SI</b> 3447 kPa 6895 kpsi 1.45 mV/kPa 34,474 kPa .007 kPa ≥ 400 kHz ≤ 6.5 μ sec ≤ 1.0 % FS	<p style="text-align: center;"><b>OPTIONAL VERSIONS</b></p> <p>Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.</p>										
<b>Environmental</b> Temperature Range(Operating)	-100 to +275 °F	-73 to +135 °C											
<b>Electrical</b> Discharge Time Constant(at room temp)	≤ 0.05 %/°F	≤ 0.090 %/°C	<p><b>NOTES:</b></p> <p>[1] For +10 volt output, minimum 26 VDC supply voltage required. Negative 10 volt output may be limited by output bias.</p> <p>[2] Typical.</p> <p>[3] Zero-based, least-squares, straight line method.</p> <p>[4] See PCB Declaration of Conformance PS023 for details.</p>										
<b>Electrical</b> Excitation Voltage	≥ 0.2 sec	≥ 0.2 sec											
<b>Electrical</b> Constant Current Excitation	20 to 30 VDC	20 to 30 VDC	<p><b>SUPPLIED ACCESSORIES:</b></p> <p>Model PCS-6 Calibration of Series 134, 137, and 138 (1)</p>										
<b>Electrical</b> Output Impedance	2 to 20 mA	2 to 20 mA											
<b>Electrical</b> Output Bias Voltage	≤ 100 Ohm	≤ 100 Ohm	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Entered: AP</td> <td style="width: 25%;">Engineer: JDK</td> <td style="width: 25%;">Sales: RWM</td> <td style="width: 25%;">Approved: BAM</td> <td style="width: 20%;">Spec Number:</td> </tr> <tr> <td>Date: 8/14/2013</td> <td>Date: 8/14/2013</td> <td>Date: 8/14/2013</td> <td>Date: 8/14/2013</td> <td style="text-align: center;"><b>55318</b></td> </tr> </table>	Entered: AP	Engineer: JDK	Sales: RWM	Approved: BAM	Spec Number:	Date: 8/14/2013	Date: 8/14/2013	Date: 8/14/2013	Date: 8/14/2013	<b>55318</b>
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Date: 8/14/2013	Date: 8/14/2013	Date: 8/14/2013	Date: 8/14/2013	<b>55318</b>									
<b>Physical</b> Sensing Geometry	8 to 14 VDC	8 to 14 VDC	<div style="display: flex; justify-content: space-between;"> <div data-bbox="1119 898 1581 976">  <p>3425 Walden Avenue, Depew, NY 14043</p> </div> <div data-bbox="1654 898 1929 976"> <p><b>Phone: 716-684-0001</b>  <b>Fax: 716-684-0987</b>  <b>E-Mail: info@pcb.com</b></p> </div> </div>										
<b>Physical</b> Sensing Element	Compression	Compression											
<b>Physical</b> Housing Material	Quartz	Quartz											
<b>Physical</b> Diaphragm	Aluminum	Aluminum											
<b>Physical</b> Sealing	Invar	Invar											
<b>Physical</b> Electrical Connector	Epoxy	Epoxy											
<b>Physical</b> Weight	BNC Jack	BNC Jack											
<b>Physical</b> Weight	12.4 oz	352 gm											



[4]  
 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.  
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