


Model Number 137B32	ICP® PRESSURE SENSOR			Revision: A ECN #: 51260					
Performance Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity(± 15 %) Sensitivity Maximum Pressure Resolution Resonant Frequency Rise Time(Incident) Non-Linearity Environmental Temperature Range(Operating) Temperature Coefficient of Sensitivity Electrical Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	ENGLISH 250 psi 500 psi 20 mV/psi 0 mV/psi 5 kpsi 0.7 mpsi ≥ 400 kHz ≤ 6.5 μ sec ≤ 1.0 % FS -100 to +275 °F ≤ 0.05 %/°F ≥ 0.2 sec 20 to 30 VDC 2 to 20 mA ≤ 200 Ohm 8 to 14 VDC Compression Quartz Aluminum Invar Epoxy 4-Pin 16.1 oz	SI 1,724 kPa 3,447 kPa 2.90 mV/kPa 0 mV/kPa 34,474 kPa 0.005 kPa ≥ 400 kHz ≤ 6.5 μ sec ≤ 1.0 % FS -73 to +135 °C ≤ 0.090 %/°C ≥ 0.2 sec 20 to 30 VDC 2 to 20 mA ≤ 200 Ohm 8 to 14 VDC Compression Quartz Aluminum Invar Epoxy 4-Pin 456 gm	OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.						
				NOTES: [1] For +10 volt output, minimum 26 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2] Rear element - see drawing #65310 for details. [3] Typical. [4] Zero-based, least-squares, straight line method. [5] See PCB Declaration of Conformance PS023 for details.					
				SUPPLIED ACCESSORIES: Model PCS-6 Calibration of Series 134, 137 (2-sensor probes only), and 138 (2)					
				<table border="1"> <tr> <td>Entered: LK</td> <td>Engineer: RPF</td> <td>Sales: RWM</td> <td>Approved: RPF</td> <td>Spec Number:</td> </tr> </table>	Entered: LK	Engineer: RPF	Sales: RWM	Approved: RPF	Spec Number:
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<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 Piezotronics, Inc.</p>				 <p>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043</p>					

