



Model Number 113B34	ICP® PRESSURE SENSOR		Revision: D ECN #: 40791										
Performance Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity(± 0.25 mV/psi) Maximum Pressure Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response Non-Linearity	<u>ENGLISH</u> 1 kpsi 2 kpsi 5.0 mV/psi 10 kpsi 10 mpsi ≥ 400 kHz ≤ 1.5 μ sec 1.0 Hz ≤ 1.0 % FS	<u>SI</u> 6895 kPa 13,790 kPa 0.73 mV/kPa 68,950 kPa 0.069 kPa ≥ 400 kHz ≤ 1.5 μ sec 1.0 Hz ≤ 1.0 % FS	<p data-bbox="1119 183 1929 228">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> <p data-bbox="1119 248 1929 407">E - Emralon coating Coating Electrical Isolation Supplied Accessory : Model 065A08 Isolation ring 0.250"OD x 0.218" ID x 0.027" thk anodized aluminum (3) Supplied Accessory : Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torlon or Vespel (3)</p> <p data-bbox="1119 427 1929 505">H - Hermetic Seal</p> <p data-bbox="1119 524 1929 553">J - Ground Isolated [4][5]</p> <p data-bbox="1119 573 1929 602">N - Negative Output Polarity</p> <p data-bbox="1119 621 1929 683">W - Water Resistant Cable [6][4] Supplied Accessory : Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)</p> <p data-bbox="1119 703 1929 716">WM - Water Resistant Cable [6][4] Supplied Accessory : Model 060A05 Clamp nut M7 x 0.75-6g thd (1)</p>										
Environmental Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock	≤ 0.002 psi/g -100 to +275 °F ≤ 0.1 %/°F 3000 °F 2000 g pk 20,000 g pk	≤ 0.0014 kPa/(m/s ²) -73 to +135 °C ≤ 0.18 %/°C 1650 °C 19,614 m/s ² pk 196,140 m/s ² pk	<p data-bbox="1119 735 1929 911">NOTES: [1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details. [4] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories. [5] Used with optional mounting adaptor. [6] Clamp nut installed prior to cable attachment</p>										
Electrical Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive 0.1 to 1.0 sec 20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	Positive 0.1 to 1.0 sec 20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	<p data-bbox="1119 963 1929 1057">SUPPLIED ACCESSORIES: Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1) Model 060A05 Clamp nut M7 x 0.75-6g thd (1) Model 065A02 Seal ring, sensor flush mount, 0.248" OD x 0.219" ID x 0.015" thk, brass (3) Model 065A05 Seal sleeve sensor recess mount 0.248" OD x 0.221" ID x 0.240" thk 17-4 (1)</p>										
Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Compression Quartz Invar Invar Invar Welded Hermetic 10-32 Coaxial Jack 0.2 oz	Compression Quartz Invar Invar Invar Welded Hermetic 10-32 Coaxial Jack 6.0 gm	<table border="1" data-bbox="1119 1109 1929 1182"> <tr> <td>Entered: AP</td> <td>Engineer: MJK</td> <td>Sales: KWW</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 3/19/2013</td> <td>Date: 3/19/2013</td> <td>Date: 3/19/2013</td> <td>Date: 3/19/2013</td> <td>30600</td> </tr> </table>	Entered: AP	Engineer: MJK	Sales: KWW	Approved: BAM	Spec Number:	Date: 3/19/2013	Date: 3/19/2013	Date: 3/19/2013	Date: 3/19/2013	30600
Entered: AP	Engineer: MJK	Sales: KWW	Approved: BAM	Spec Number:									
Date: 3/19/2013	Date: 3/19/2013	Date: 3/19/2013	Date: 3/19/2013	30600									
<div data-bbox="142 946 262 1024" style="float: left; margin-right: 10px;">  <p data-bbox="237 1008 262 1024">[3]</p> </div> <p data-bbox="142 1032 1041 1078">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.</p> <p data-bbox="142 1086 569 1109">ICP® is a registered trademark of PCB Group, Inc.</p> <div data-bbox="1119 1227 1577 1308" style="float: right; text-align: center;">  <p data-bbox="1119 1284 1470 1308">3425 Walden Avenue, Depew, NY 14043</p> </div> <div data-bbox="1654 1227 1890 1308" style="float: right; text-align: right;"> <p data-bbox="1654 1227 1873 1250">Phone: 716-684-0001</p> <p data-bbox="1654 1250 1848 1273">Fax: 716-684-0987</p> <p data-bbox="1654 1273 1890 1308">E-Mail: info@pcb.com</p> </div>													