



Model Number 113B23	<b>ICP® PRESSURE SENSOR</b>		Revision C ECN #: 40791
<b>Performance</b> Measurement Range (for ±5V output) Sensitivity (±0.03 mV/psi) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response (-5 %) Non-Linearity	<b>ENGLISH</b> 10 kpsi 0.5 mV/psi 15 kpsi 40 mpsi ≥500 kHz ≤1.0 μ sec 0.0005 Hz ≤1.0 % FS	<b>SI</b> 68950 kPa 0.073 mV/kPa 103420 kPa 0.28 kPa ≥500 kHz ≤1.0 μ sec 0.0005 Hz ≤1.0 % FS	<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>E</b> - Emralon coating [4] Coating Emralon Emralon Electrical Isolation 10 <sup>8</sup> Ohm 10 <sup>8</sup> Ohm Supplied Accessory: Model 065A08 Isolation ring, 0.250" OD x 0.218" ID x 0.027" thk, anodized aluminum Supplied Accessory: Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torton or Vespel <b>H</b> - Hermetic Seal [4] Sealing Welded Hermetic (Welded Hermetic)
<b>Environmental</b> Acceleration Sensitivity Temperature Range (Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock	≤0.002 psi/g -100 to +275 °F ≤0.03 %/°F 3000 °F 2000 g pk 20000 g pk	≤0.0014 kPa/(m/s <sup>2</sup> ) -73 to +135 °C ≤0.054 %/°C 1649 °C 19614 m/s <sup>2</sup> pk 196140 m/s <sup>2</sup> pk	<b>J</b> - Ground Isolated [4] <b>N</b> - Negative Output Polarity [5] <b>S</b> - Stainless Steel Diaphragm [4] Diaphragm 316L Stainless Steel 316L Stainless Steel
<b>Electrical</b> Output Polarity (Positive Pressure) Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥1000 sec 20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	Positive ≥1000 sec 20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	<b>W</b> - Water Resistant Cable [4] Supplied Accessory: Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (for Series 111, 112 and 113) [6] <b>WM</b> - Water Resistant Cable [4] Supplied Accessory: Model 060A05 Clamp nut, M7 x 0.75-6G thd (for Series M111, M112 and M113) [6]
<b>Physical</b> Sensing Geometry Sensing Element Housing Material  Diaphragm Sealing Electrical Connector Weight	Compression Quartz 17-4 Stainless Steel  Invar Welded Hermetic 10-32 Coaxial Jack 0.21 oz	Compression Quartz 17-4 Stainless Steel  Invar Welded Hermetic 10-32 Coaxial Jack 6.0 gm	<b>Notes</b> [1] Typical. [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
<div style="display: flex; justify-content: space-between;"> <div data-bbox="94 954 325 1084">  [3]         </div> <div data-bbox="325 954 1113 1084"> <p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB group, Inc.</p> </div> <div data-bbox="1113 954 2011 1084"> <b>Supplied Accessories</b>            060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)            060A05 Clamp nut M7 x 0.75-6g thd (1)            065A02 Seal ring, sensor flush mount, 0.248" OD x 0.219" ID x 0.015" thk, brass (3)            065A05 Seal sleeve sensor recess mount 0.248" OD x 0.221" ID x 0.240" thk 17-4 (1)         </div> </div>			
Entered: AP	Engineer: MJK	Sales: KWW	Approved: BAM
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<div style="display: flex; justify-content: space-between;"> <div data-bbox="94 1372 1113 1515">  </div> <div data-bbox="1113 1372 2011 1515">           3425 Walden Avenue            Depew, NY 14043            UNITED STATES            Phone: 800-828-8840            Fax: 716-684-0987            E-mail: info@pcb.com         </div> </div>			

