


Model Number 113B23	ICP® PRESSURE SENSOR		Revision: G ECN #: 54949		
<b>Performance</b> Measurement Range(for ±5V output) Sensitivity(± 10 %) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response(- 5 %) Non-Linearity <b>Environmental</b> Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock <b>Electrical</b> Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage <b>Physical</b> Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	<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 0.002 psi/g -100 to +275 °F ≤ 0.03 %/°F 3,000 °F 2,000 g pk 20,000 g pk Positive ≥ 1,000 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 8 to 14 VDC Compression Quartz 17-4 Stainless Steel Invar Welded Hermetic 10-32 Coaxial Jack 0.21 oz	<b>SI</b> 68,950 kPa 0.073 mV/kPa 103,420 kPa 0.28 kPa ≥ 500 kHz ≤ 1.0 μ sec 0.0005 Hz ≤ 1.0 % FS 0.0014 kPa/(m/s <sup>2</sup> ) -73 to +135 °C ≤ 0.054 %/°C 1,649 °C 19,600 m/s <sup>2</sup> pk 196,000 m/s <sup>2</sup> pk Positive ≥ 1,000 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 8 to 14 VDC Compression Quartz 17-4 Stainless Steel Invar Welded Hermetic 10-32 Coaxial Jack 6.0 gm	<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.  <b>CA</b> - Ablative Coating [4] <b>E</b> - Emralon coating 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 (3) Supplied Accessory: Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torlon or Vespel (3) [4][5] <b>J</b> - Ground Isolated Electrical Isolation(50 V) 10 <sup>8</sup> Ohm 10 <sup>8</sup> Ohm [4] <b>N</b> - Negative Output Polarity [4] <b>S</b> - Stainless Steel Diaphragm Diaphragm 316L Stainless Steel 316L Stainless Steel [4][6] <b>W</b> - Water Resistant Cable Supplied Accessory: Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1) [4][6] <b>WM</b> - Water Resistant Cable Supplied Accessory: Model 060A05 Clamp nut M7 x 0.75-6g thd (1)		
<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 and pressure limitations. [5]Used with optional mounting adaptor. [6]Clamp nut installed prior to cable attachment					
<b>SUPPLIED ACCESSORIES:</b> 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) Model PCS-1AZ Sensitivity calibration at 100% and 10% of sensor range					
<div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">CE</div>	Entered: ND	Engineer: AJA	Sales: RWM	Approved: RPF	Spec Number:
	Date: 06/28/2024	Date: 06/28/2024	Date: 06/28/2024	Date: 06/28/2024	40645
<div style="display: flex; align-items: center;">  <div> <p><b>Phone: 716-684-0001</b>  <b>Fax: 716-684-0987</b>  <b>E-Mail: info@pcb.com</b></p> </div> </div> <p>3425 Walden Avenue, Depew, NY 14043</p>					

[3]

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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