



Model Number 102B11	ICP® PRESSURE SENSOR			Revision: E ECN #: 55146
<b>Performance</b> Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity Maximum Pressure(step) Maximum Pressure(Total) Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(- 5 %) Non-Linearity <b>Environmental</b> Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity 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 Element Housing Material Thread Adaptor Material Diaphragm Sealing Electrical Connector Weight	<b>ENGLISH</b> 1 kpsi 2,000 psi 5.0 mV/psi 10,000 psi 15 kpsi 20 mpsi ≥ 250 kHz ≤ 2.0 μ sec 0.25 Hz ≤ 1.0 % FS 0.002 psi/g -400 to +212 °F ≤ 0.06 %/°F 2,000 g pk 20,000 g pk Positive ≥ 2.0 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 8 to 14 VDC Quartz 304L/316L Stainless Steel 316L Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack .388 oz	<b>SI</b> 6,895 kPa 13,790 kPa 0.725 mV/kPa 69,000 kPa 103,425 kPa 0.138 kPa ≥ 250 kHz ≤ 2.0 μ sec 0.25 Hz ≤ 1.0 % FS 0.0014 kPa/(m/s <sup>2</sup> ) -240 to +100 °C ≤ 0.108 %/°C 19,600 m/s <sup>2</sup> pk 196,000 m/s <sup>2</sup> pk Positive ≥ 2.0 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 8 to 14 VDC Quartz 304L/316L Stainless Steel 316L Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 11.00 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>M</b> - Metric Mount Supplied Accessory: Model 065A34 Seal ring 0.435" OD x 0.397" ID x 0.030" Cu (3)	
<b>NOTES:</b> [1]Excitation voltage >=28 volts required. [2]Due to high sensitivity, the static pressure should be applied and removed very slowly. Rate should prevent more than 10 Volt change in output until Output Bias Voltage returns to normal (approximately 15 times discharge time constant). [3]Typical. [4]Zero-based, least-squares, straight line method. [5]See PCB Declaration of Conformance PS023 for details.				
<b>SUPPLIED ACCESSORIES:</b> Model 065A44 Seal ring 0.435" OD x 0.377" ID x 0.030" thk Cu (3) Model PCS-10AA Single point sensitivity coefficient at sensor minimum operating temperature (-320°F / -196°C limit) Model PCS-1AZ Sensitivity calibration at 100% and 10% of sensor range				
Entered: ND	Engineer: RPF	Sales: RWM	Approved: RPF	Spec Number:
Date: 08/23/2024	Date: 08/23/2024	Date: 08/23/2024	Date: 08/23/2024	70581
<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;">  <p>AN AMPHENÖL COMPANY</p> </div> <div style="text-align: right; font-size: 0.8em;"> <p>Phone: 716-684-0001            Fax: 716-684-0987            E-Mail: info@pcb.com</p> </div> </div> <p style="text-align: center; margin-top: 10px;">3425 Walden Avenue, Depew, NY 14043</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.  
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