



Model Number 123B22	ICP® PRESSURE SENSOR			Revision: C ECN #: 55076							
<b>Performance</b> Measurement Range(for ± 3V output) Sensitivity(± 15 %) Maximum Pressure Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(- 5 %) Non-Linearity	<b>ENGLISH</b> 3,000 psi 1.0 mV/psi 5,000 psi 0.1 psi ≥ 25 kHz ≤ 20 μ sec 0.001 Hz ≤ 1.0 % FS	<b>SI</b> 20,685 kPa 0.145 mV/kPa 34,475 kPa 0.689 kPa ≥ 25 kHz ≤ 20 μ sec 0.001 Hz ≤ 1.0 % FS		<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>Environmental</b> Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock	0.002 psi/g -100 to +250 °F ≤ 0.03 %/°F 10,000 °F 2,000 g pk 10,000 g pk	0.0014 kPa/(m/s <sup>2</sup> ) -73 to +121 °C ≤ 0.054 %/°C 5,538 °C 19,600 m/s <sup>2</sup> pk 98,070 m/s <sup>2</sup> pk									
<b>Electrical</b> Output Polarity(Positive Pressure) Discharge Time Constant Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥ 500 sec 20 to 30 VDC 2 to 20 mA ≤ 100 Ohm 8 to 12 VDC	Positive ≥ 500 sec 20 to 30 VDC 2 to 20 mA ≤ 100 Ohm 8 to 12 VDC									
<b>Physical</b> Housing Material Diaphragm Sealing Electrical Connector Weight(without cable) Helium Flow Rate(at 1,500 psi) Water Flow Rate(at 50 psi) Cable Length	17-4 Stainless Steel Invar Hermetic Integral Cable 4.59 oz 40 scf/hr 1.2 gal/min 4 ft	17-4 Stainless Steel Invar Hermetic Integral Cable 130 gm 1.13 m <sup>3</sup> /hr 4.5 L/min 1.2 m									
	<b>NOTES:</b> [1]Typical. [2]With helium flow. [3]Zero-based, least-squares, straight line method. [4]Applies to internal amplifier, not to external housing. [5]See PCB Declaration of Conformance PS023 for details.										
	<b>SUPPLIED ACCESSORIES:</b> Model 065A15 Seal, .624" OD x .553" ID x .080", brass (3) Model 065A72 Water cooling tubes (o-ring sealed) (2) Model 070A08 Cable adaptor (micro 10-32 jack to BNC jack) (1) Model PCS-5 Calibration of Models series 122,123,124: Dynamic pressure calibration to 100% full scale. Helium Flow test and water pressure test (where applicable).										
	<table border="1"> <tr> <td data-bbox="1129 1271 1285 1317">Entered: ND</td> <td data-bbox="1285 1271 1440 1317">Engineer: AJA</td> <td data-bbox="1440 1271 1596 1317">Sales: RWM</td> <td data-bbox="1596 1271 1751 1317">Approved: RPF</td> <td data-bbox="1751 1271 1917 1317">Spec Number:</td> </tr> <tr> <td data-bbox="1129 1317 1285 1357">Date: 08/14/2024</td> <td data-bbox="1285 1317 1440 1357">Date: 08/14/2024</td> <td data-bbox="1440 1317 1596 1357">Date: 08/14/2024</td> <td data-bbox="1596 1317 1751 1357">Date: 08/14/2024</td> <td data-bbox="1751 1317 1917 1357">66525</td> </tr> </table>	Entered: ND	Engineer: AJA	Sales: RWM	Approved: RPF	Spec Number:	Date: 08/14/2024	Date: 08/14/2024	Date: 08/14/2024	Date: 08/14/2024	66525
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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            AN AMPHENOL COMPANY            3425 Walden Avenue, Depew, NY 14043</p>										