



Model Number 123B23	ICP® PRESSURE SENSOR			Revision: C ECN #: 55076
Performance Measurement Range(for ±5V output) Sensitivity(± 15 %) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response(- 5 %) Non-Linearity	ENGLISH 10,000 psi 0.5 mV/psi 15,000 psi 0.2 psi ≥ 25 kHz ≤ 20 μ sec 0.0005 Hz ≤ 1.0 % FS	SI 68,950 kPa 0.07 mV/kPa 103,420 kPa 1.379 kPa ≥ 25 kHz ≤ 20 μ sec 0.0005 Hz ≤ 1.0 % FS		OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Environmental 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 ²) -73 to +121 °C ≤ 0.054 %/°C 5,538 °C 19,600 m/s ² pk 98,070 m/s ² pk	[1] [2] [2] [3] [1] [4]	
Electrical Output Polarity(Positive Pressure) Discharge Time Constant Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥ 1,000 sec 20 to 30 VDC 2 to 20 mA ≤ 100 Ohm 8 to 14 VDC	Positive ≥ 1,000 sec 20 to 30 VDC 2 to 20 mA ≤ 100 Ohm 8 to 14 VDC		
Physical Housing Material Diaphragm Sealing Electrical Connector Weight 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 ³ /hr 4.5 L/min 1.2 m		
NOTES: [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.				
SUPPLIED ACCESSORIES: 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).				
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	68595
 <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>