



Model Number 113B55	ICP® PRESSURE SENSOR			Revision: C ECN #: 55076
Performance Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity(± 0.5 mV/psi) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response(- 5 %) Non-Linearity Environmental Acceleration Sensitivity Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Vibration Maximum Shock Electrical Output Polarity(Positive Pressure) Discharge Time Constant Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Physical Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	ENGLISH 500 psi 1 kpsi 10 mV/psi 1 kpsi 10 mpsi > 500 kHz ≤ 1.0 μ sec 0.05 Hz ≤ 1.0 % FS 0.01 psi/g .005 psi/g -100 to +275 °F ≤ 0.03 %/°F 2,000 g pk 2,000 g pk Positive ≥ 10 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 8 to 14 VDC Quartz 17-4 Stainless Steel Invar Epoxy BNC Jack 1.55 lb	SI 3,448 kPa 6,895 kPa 1.45 mV/kPa 6,895 kPa 0.0069 kPa > 500 kHz ≤ 1.0 μ sec 0.05 Hz ≤ 1.0 % FS 0.0069 kPa/(m/s ²) .0035 kPa/(m/s ²) -73 to +135 °C ≤ 0.054 %/°C 19,613 m/s ² pk 19,613 m/s ² pk Positive ≥ 10 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 8 to 14 VDC Quartz 17-4 Stainless Steel Invar Epoxy BNC Jack 0.703 kg	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.	
NOTES: [1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2] Typical. [3] Zero-based, least-squares, straight line method. [4] Maximum. [5] See PCB Declaration of Conformance PS023 for details.				
SUPPLIED ACCESSORIES: Model PCS-1AZ Sensitivity calibration at 100% and 10% of sensor range				
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	39351
 <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</p> <p>3425 Walden Avenue, Depew, NY 14043</p>				