



Model Number 102M295	ICP® PRESSURE SENSOR			Revision: C ECN #: 55146
Performance Measurement Range(for ±5V output) Sensitivity(± 15 %) Maximum Pressure(Total) Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(- 5 %) Non-Linearity	ENGLISH 3,500 psi 1.5 mV/psi 10,000 psi 0.02 psi ≥ 250 kHz ≤ 2.0 μ sec 0.5 Hz ≤ 1.0 % FS	SI 24,133 kPa 0.217 mV/kPa 68,950 kPa 0.14 kPa ≥ 250 kHz ≤ 2.0 μ sec 0.5 Hz ≤ 1.0 % FS	[1] [2] [3]	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 -400 to +212 °F ≤ 0.06 %/°F 3,000 °F 2,000 g pk 20,000 g pk	0.0014 kPa/(m/s ²) -240 to +100 °C ≤ 0.108 %/°C 1,649 °C 19,600 m/s ² pk 196,000 m/s ² pk	[2] [2]	
Electrical Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Electrical Isolation	≥ 1.0 sec 15 to 30 VDC 2 to 20 mA < 500 Ohm 3 to 8 VDC > 10 MOhm	≥ 1.0 sec 15 to 30 VDC 2 to 20 mA < 500 Ohm 3 to 8 VDC > 10 MOhm	[3]	
Physical Sensing Geometry Sensing Element Housing Material(probe) Thread Adaptor Material Diaphragm Sealing Electrical Connector Weight	Compression Quartz 304L/316L Stainless Steel Inconel 718 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 0.92 oz	Compression Quartz 304L/316L Stainless Steel Inconel 718 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 26 gm		
NOTES: [1]-5V output may be limited by the output bias. [2]Typical. [3]Zero-based, least-squares, straight line method. [4]See PCB Declaration of Conformance PS023 for details.				
SUPPLIED ACCESSORIES: Model PCS-1 Calibration of dynamic pressure sensors at 100% full scale, max 15 kpsi range. Model PCS-10AA Single point sensitivity coefficient at sensor minimum operating temperature (-320°F / -196°C limit)				
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	62261
<div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="195 1268 310 1430">  </div> <div data-bbox="1142 1377 1514 1442">  </div> <div data-bbox="1514 1370 1724 1430"> Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com </div> </div> <p data-bbox="1142 1446 1444 1471">3425 Walden Avenue, Depew, NY 14043</p> <p data-bbox="195 1435 1010 1507"> 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>				