



Model Number 105C02	ICP® PRESSURE SENSOR			Revision: J ECN #: 55250
Performance Measurement Range(for ±5V output) Sensitivity(-40 to +20 %) Maximum Pressure Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(- 5 %) Non-Linearity	ENGLISH 100 psi 50 mV/psi 7,500 psi 0.005 psi ≥ 250 kHz ≤ 2.0 μ sec 0.5 Hz ≤ 2.0 % FS	SI 690 kPa 7.3 mV/kPa 51,700 kPa 0.035 kPa ≥ 250 kHz ≤ 2.0 μ sec 0.5 Hz ≤ 2.0 % 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. M - Metric Mount W - Water Resistant Cable
Environmental Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock	0.04 psi/g -100 to +250 °F ≤ 0.09 %/°F 3,000 °F 1,000 g pk 5,000 g pk	0.028 kPa/(m/s ²) -73 to +121 °C ≤ 0.162 %/°C 1,649 °C 9,800 m/s ² pk 49,000 m/s ² pk	[2] [2]	
Electrical Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive > 1.0 sec 22 to 30 VDC 2 to 20 mA < 100 Ohm 8 to 14 VDC	Positive > 1.0 sec 22 to 30 VDC 2 to 20 mA < 100 Ohm 8 to 14 VDC		
Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Compression Quartz Stainless Steel 17-4 Stainless Steel Welded Hermetic 5-44 Coaxial 0.055 oz	Compression Quartz Stainless Steel 17-4 Stainless Steel Welded Hermetic 5-44 Coaxial 1.56 gm		
NOTES: [1]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). [2]Typical. [3]Zero-based, least-squares, straight line method. [4]See PCB Declaration of Conformance PS023 for details.				
SUPPLIED ACCESSORIES: Model 018C10 Miniature coaxial cable, vinyl insulation jacket, 10-ft, 5-44 coaxial plug to BNC plug (1) Model 040A37 Hex nut driver (1) Model 065A10 Seal ring 0.138" OD x 0.101" ID x 0.022" thk brass (3) Model 065A38 Seal & Sleeve 0.138" OD x 0.101" ID x 0.105" thk, brass. (3) Model PCS-1 Calibration of dynamic pressure sensors at 100% full scale, max 15 kpsi range.				
Entered: ND	Engineer: RPF	Sales: RWM	Approved: RPF	Spec Number:
Date: 10/07/2024	Date: 10/07/2024	Date: 10/07/2024	Date: 10/07/2024	11240
<div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="195 1265 310 1429">  </div> <div data-bbox="1136 1372 1709 1442">  <p>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p> </div> </div> <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> <div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="1129 1445 1444 1468"> 3425 Walden Avenue, Depew, NY 14043 </div> </div>				