



Model Number 208C05	ICP® FORCE SENSOR		Revision G ECN #: 17909								
Performance Sensitivity (±15 %) Measurement Range (Compression) Measurement Range (Tension) Maximum Static Force (Compression) Maximum Static Force (Tension) Broadband Resolution (1 to 10000 Hz) Low Frequency Response (-5 %) Upper Frequency Limit Non-Linearity	ENGLISH 1 mV/lb 5000 lb 500 lb 8000 lb 500 lb 0.05 lb-rms 0.0003 Hz 36 kHz ≤1 % FS	SI 224.82 mV/kN 22.24 kN 2.224 kN 35.59 kN 2.224 kN 0.222 N-rms 0.0003 Hz 36 kHz ≤1 % FS	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) N - Negative Output Polarity Output Polarity (Compression) Negative Negative W - Water Resistant Cable Notes [1] Typical. [2] Calculated from discharge time constant. [3] Estimated using rigid body dynamics calculations. [4] Zero-based, least-squares, straight line method. [5] See PCB Declaration of Conformance PS023 for details.								
Environmental Temperature Range Temperature Coefficient of Sensitivity	-65 to +250 °F ≤0.05 %/°F	-54 to +121 °C ≤0.09 %/°C									
Electrical Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1000 Hz) Output Polarity (Compression)	≥2000 sec 20 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC 0.00168 lb/√Hz 0.00112 lb/√Hz 0.000459 lb/√Hz 0.000133 lb/√Hz Positive	≥2000 sec 20 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC 0.00750 N/√Hz 0.00501 N/√Hz 0.00205 N/√Hz 0.000592 N/√Hz Positive	[1] [1] [1] [1] [1]								
Physical Stiffness Size (Hex x Height x Sensing Surface) Weight Housing Material Sealing Electrical Connector Electrical Connection Position Mounting Thread Mounting Torque (Recommended)	6 lb/μin 0.625 in x 0.625 in x 0.500 in 0.80 oz Stainless Steel Hermetic 10-32 Coaxial Jack Side 10-32 Female 16 to 20 in-lb	1.05 kN/μm 15.88 mm x 15.88 mm x 12.7 mm 22.7 gm Stainless Steel Hermetic 10-32 Coaxial Jack Side Not Applicable 181 to 226 N-cm	[1]								
	<table border="1"> <tr> <td data-bbox="1129 1149 1316 1175">Entered: LAB</td> <td data-bbox="1316 1149 1482 1175">Engineer: LAB</td> <td data-bbox="1482 1149 1654 1175"></td> <td data-bbox="1654 1149 2011 1175">Spec Number:</td> </tr> <tr> <td data-bbox="1129 1175 1316 1224">Date: 07/09/2003</td> <td data-bbox="1316 1175 1482 1224">Date: 07/09/2003</td> <td data-bbox="1482 1175 1654 1224"></td> <td data-bbox="1654 1175 2011 1224">8369</td> </tr> </table>			Entered: LAB	Engineer: LAB		Spec Number:	Date: 07/09/2003	Date: 07/09/2003		8369
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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 group, Inc.</p>	 <p>3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 800-828-8840 Fax: 716-684-0987 E-mail: info@pcb.com Web site: www.pcb.com</p>										