

Model Number 208C02	ICP® FORCE SENSOR			Revision H ECN #: 34989										
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 50 mV/lb 100 lb 100 lb 600 lb 500 lb 0.001 lb-rms 0.001 Hz 36 kHz ≤1 % FS	SI 11241 mV/kN 0.4448 kN 0.4448 kN 2.669 kN 2.224 kN 0.004 N-rms 0.001 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)	≥500 sec 20 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC 0.000135 lb/√Hz 0.0000276 lb/√Hz 0.0000096 lb/√Hz 0.0000021 lb/√Hz Positive	≥500 sec 20 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC 0.000603 N/√Hz 0.000123 N/√Hz 0.0000427 N/√Hz 0.0000095 N/√Hz Positive	[1] [1] [1] [1] [1]	Supplied Accessories 080A81 Thread Locker (1) 081B05 Mounting Stud (10-32 to 10-32) (2) 084A03 Impact Cap (1) M081A62 Mounting stud, 10-32 to M6 x 1, BeCu with shoulder (2)										
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]											
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB group, Inc.</p>				<table border="1" data-bbox="1125 1149 2016 1250"> <tr> <td>Entered: MJK</td> <td>Engineer: KWW</td> <td>Sales: ECB</td> <td></td> <td>Spec Number:</td> </tr> <tr> <td>Date: 02/11/2011</td> <td>Date: 02/11/2011</td> <td>Date: 02/11/2011</td> <td></td> <td>8467</td> </tr> </table> <p data-bbox="1138 1274 1522 1344">  </p> <p data-bbox="1570 1274 1801 1445"> 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>	Entered: MJK	Engineer: KWW	Sales: ECB		Spec Number:	Date: 02/11/2011	Date: 02/11/2011	Date: 02/11/2011		8467
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