


Model Number 208C02		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 50 mV/lb 100 lb 100 lb 600 lb 500 lb 0.001 lb-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 may be used.) N - Negative Output Polarity Output Polarity (Compression) Negative W - Water Resistant Cable Negative										
Environmental Temperature Range Temperature Coefficient of Sensitivity		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												
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)		[1] [2] [3] [4] -54 to +121 °C ≤0.09 %/°C ≥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												
Physical Stiffness Size (Hex x Height x Sensing Surface) Weight Housing Material Sealing Electrical Connector Mounting Thread Mounting Torque (Recommended)		[1] 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												
<div><div>CE</div><div>[10]</div></div> <p><i>All specifications are at room temperature unless otherwise specified.</i> 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>														
<table><tr><td>Entered: LAB</td><td>Engineer: LAB</td><td>Sales: JJM</td><td>Approved: DMB</td><td>Spec Number:</td></tr><tr><td>Date: 07/09/2003</td><td>Date: 07/09/2003</td><td>Date: 07/09/2003</td><td>Date: 07/09/2003</td><td>8467</td></tr></table>					Entered: LAB	Engineer: LAB	Sales: JJM	Approved: DMB	Spec Number:	Date: 07/09/2003	Date: 07/09/2003	Date: 07/09/2003	Date: 07/09/2003	8467
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<div><div> PCB <small>PIEZOTRONICS</small>^{INC}</div><div>FORCE / TORQUE DIVISION</div></div> <p>Address: 3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 888-684-0004 Fax: 716-684-8877 E-mail: force@pcb.com Web site: www-pcb.com</p>														