


Model Number <b>218C</b>	<h1>CHARGE OUTPUT FORCE SENSOR</h1>			Revision: L ECN #: 41735										
<b>Performance</b> Sensitivity(± 15 %) Measurement Range(Compression) Measurement Range(Tension) Maximum Static Force(Compression) Maximum Static Force(Tension) Upper Frequency Limit Non-Linearity	<b>ENGLISH</b> 18 pC/lb ≤ 5000 lb ≤ 500 lb 8000 lb 500 lb 36,000 Hz ≤ 1 % FS	<b>SI</b> 4047 pC/kN ≤ 22.24 kN ≤ 2.224 kN 35.59 kN 2.224 kN 36,000 Hz ≤ 1 % FS	[2][3] [4]	<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.  <b>P</b> - Positive Output Polarity  <b>W</b> - Water Resistant Cable										
<b>Environmental</b> Temperature Range Temperature Coefficient of Sensitivity	-300 to +400 °F ≤ 0.03 %/°F	-184 to +204 °C ≤ 0.054 %/°C		<b>NOTES:</b> [1] Typical. [2] Estimated using rigid body dynamics calculations. [3] Low frequency response and system noise dependent on choice of external signal conditioning electronics. [4] Zero-based, least-squares, straight line method.										
<b>Electrical</b> Capacitance Insulation Resistance	14 pF ≥ 1E12	14 pF ≥ 1E12	[1]	<b>SUPPLIED ACCESSORIES:</b> Model 080A81 Thread Locker (1) Model 081B05 Mounting Stud (10-32 to 10-32) (2) Model 084A03 Impact Cap (1) Model M081A62 Mounting stud, 10-32 to M6 x 1, BeCu with shoulder (2)										
<b>Physical</b> Stiffness Size (Hex x Height x Sensing Surface) Weight Housing Material Sealing Electrical Connector Electrical Connection Position Mounting Thread Mounting Torque	6 lb/μin 0.625 in x 0.625 in x 0.500 in 0.79 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 22.4 gm Stainless Steel Hermetic 10-32 Coaxial Jack Side 10-32 Female 181 to 226 N-cm	[1]	<table border="1"> <tr> <td>Entered: AP</td> <td>Engineer: MJK</td> <td>Sales: KWW</td> <td>Approved: APB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 9/5/2013</td> <td>Date: 9/5/2013</td> <td>Date: 9/5/2013</td> <td>Date: 9/5/2013</td> <td style="text-align: center;"><b>9481</b></td> </tr> </table>	Entered: AP	Engineer: MJK	Sales: KWW	Approved: APB	Spec Number:	Date: 9/5/2013	Date: 9/5/2013	Date: 9/5/2013	Date: 9/5/2013	<b>9481</b>
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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.				<div style="display: flex; justify-content: space-between;"> <div data-bbox="1113 800 1575 883">             3425 Walden Avenue, Depew, NY 14043         </div> <div data-bbox="1638 800 1927 883"> <b>Phone: 716-684-0001</b>  <b>Fax: 716-684-0987</b>  <b>E-Mail: info@pcb.com</b> </div> </div>										