



Model Number 176M07	CHARGE OUTPUT PRESSURE SENSOR			Revision C ECN #: 33082										
Performance Sensitivity (±20 %) Measurement Range Maximum Pressure (static) Resonant Frequency Non-Linearity	ENGLISH 17 pC/psi 20 psi 400 psi >30 kHz ≤1 % FS	SI 2.47 pC/kPa 137.9 kPa 2758 kPa >30 kHz ≤1 % FS	[9]	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)										
Environmental Acceleration Sensitivity Temperature Range (Continuous) Temperature Range (Intermittent) Temperature Range (Receptacle) Temperature Coefficient of Sensitivity Hazardous Area Approval Hazardous Area Approval	≤0.01 psi/g 986 °F 1040 °F 500 °F ≤0.01 %/°F CSA (C-US) NRTL - Canadian Standards Association ATEX	≤0.007 kPa/(m/s ²) 530 °C 560 °C 260 °C ≤0.02 %/°C CSA (C-US) NRTL - Canadian Standards Association ATEX	[1][2][3][4] [5][6][7][8]	Notes [1] AEx nA IIC T1, DIV2 CL1 GR A-D [2] AEx nA IIC T4, DIV2 CL1 GR A-D [3] Ex nL IIC T1, DIV2 CL1 GR A-D [4] Ex nL IIC T4, DIV2 CL1 GR A-D [5] Ex nL IIC T4, II 3 G [6] Ex nL IIC T1, II 3 G [7] Ex ia IIC T4, II IG [8] Ex ia IIC T1, II IG [9] Zero-based, least-squares, straight line method. [10] See PCB Declaration of Conformance PS058 for details.										
Electrical Capacitance Internal Resistance (room temp) Insulation Resistance (room temp) Internal Resistance (986°F/527°C) Insulation Resistance (986°F/527°C)	<165 pF ≥10 ¹² Ohm ≥10 ¹² Ohm ≥50 kohm ≥100 kohm	<165 pF ≥10 ¹² Ohm ≥10 ¹² Ohm ≥50 kohm ≥100 kohm												
Physical Sensing Geometry Housing Material Sealing Electrical Connector Cable Type Weight	Compression Inconel Welded Hermetic 2-Pin 2-conductor 11.1 oz	Compression Inconel Welded Hermetic 2-Pin 2-conductor 315 gm												
	<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>			<table border="1"> <tr> <td>Entered: LLH</td> <td>Engineer: BAB</td> <td>Sales: DPC</td> <td>Approved: LLH</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 06/11/2010</td> <td>Date: 06/02/2010</td> <td>Date: 06/04/2010</td> <td>Date: 06/14/2010</td> <td>36554</td> </tr> </table>	Entered: LLH	Engineer: BAB	Sales: DPC	Approved: LLH	Spec Number:	Date: 06/11/2010	Date: 06/02/2010	Date: 06/04/2010	Date: 06/14/2010	36554
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				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										