


Model Number 176M09	CHARGE OUTPUT PRESSURE SENSOR			Revision C ECN #: 41257										
Performance Sensitivity (±20 %) Measurement Range Maximum Pressure (static) Resonant Frequency Non-Linearity	ENGLISH 17 pC/psi 20 psi 400 psi >50 kHz ≤1 % FS	SI 2.47 pC/kPa 137.9 kPa 2758 kPa >50 kHz ≤1 % FS	 [15]	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 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 IECEX IECEX	≤0.007 kPa/(m/s ²) 530 °C 560 °C 260 °C ≤0.02 %/°C CSA (C-US) NRTL - Canadian Standards Association ATEX IECEX IECEX	 [1][2][3][4] [5][6][7][8] [9][10][11] [12][13][14]	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] Ex nA IIC T4 Gc [10] Ex nA IIC T3 Gc [11] Ex nA IIC T1 Gc [12] Ex ia IIC T4 Ga [13] Ex ia IIC T3 Ga [14] Ex ia IIC T1 Ga [15] Zero-based, least-squares, straight line method. [16] 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		Supplied Accessories 40890-01 Silver plated, ss, seal (6) 40902-01 Clamp nut (1)										
Physical Sensing Geometry Housing Material Sealing Electrical Connector Cable Type Weight (with clamp nut)	Compression Inconel Welded Hermetic 2-Pin 2-conductor 8.3 oz	Compression Inconel Welded Hermetic 2-Pin 2-conductor 235 gm												
 <p data-bbox="121 1442 1075 1511"> 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. </p>				<table border="1" data-bbox="1129 1125 2011 1198"> <tr> <td>Entered: AP</td> <td>Engineer: RPF</td> <td>Sales: DPC</td> <td>Approved: RPF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 04/17/2013</td> <td>Date: 04/17/2013</td> <td>Date: 04/17/2013</td> <td>Date: 04/17/2013</td> <td>40901</td> </tr> </table> <div data-bbox="1138 1222 1528 1295"> </div> <div data-bbox="1570 1222 1801 1401"> 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 </div>	Entered: AP	Engineer: RPF	Sales: DPC	Approved: RPF	Spec Number:	Date: 04/17/2013	Date: 04/17/2013	Date: 04/17/2013	Date: 04/17/2013	40901
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