

Model Number 176M07		CHARGE OUTPUT PRESSURE SENSOR		Revision D ECN #: 41257											
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											
Environmental Acceleration Sensitivity Temperature Range (Continuous) Temperature Range (Intermittent) Temperature Range (Receptacle) Temperature Coefficient of Sensitivity Hazardous Area Approval		≤0.01 psi/g 986 °F 1040 °F 500 °F ≤0.01 %/°F CSA (C-US) NRTL - Canadian Standards Association		≤0.007 kPa/(m/s²) 530 °C 560 °C 260 °C ≤0.02 %/°C CSA (C-US) NRTL - Canadian Standards Association											
Hazardous Area Approval		ATEX		ATEX											
Hazardous Area Approval		IECEX		IECEX											
Hazardous Area Approval		IECEX		IECEX											
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											
Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)															
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.															
<table><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>36554</td></tr></table>						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	36554
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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.															

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