



Model Number 176M03	CHARGE OUTPUT PRESSURE SENSOR		Revision E ECN #: 34653
Performance Sensitivity ($\pm 20\%$) Measurement Range Maximum Pressure (static) Resonant Frequency Non-Linearity Environmental Acceleration Sensitivity Temperature Range (Continuous) Temperature Range (Intermittent) Temperature Range (Receptacle) Temperature Coefficient of Sensitivity Hazardous Area Approval Hazardous Area Approval Electrical Capacitance Internal Resistance (room temp) Insulation Resistance (room temp) Internal Resistance (986°F/527°C) Insulation Resistance (986°F/527°C) Physical Sensing Geometry Housing Material Sealing Electrical Connector Cable Type Weight (with clamp nut)	ENGLISH 17 pC/psi 20 psi 400 psi >50 kHz $\leq 1\%$ FS ≤ 0.01 psi/g 986 °F 1040 °F 500 °F $\leq 0.01\%$ /°F CSA (C-US) NRTL - Canadian Standards Association ATEX <165 pF $\geq 10^{12}$ Ohm $\geq 10^{12}$ Ohm ≥ 50 kohm ≥ 100 kohm Compression Inconel Welded Hermetic 2-Pin 2-conductor 4.9 oz	SI 2.47 pC/kPa 137.9 kPa 2758 kPa >50 kHz $\leq 1\%$ FS ≤ 0.007 kPa/(m/s ²) 530 °C 560 °C 260 °C $\leq 0.02\%$ /°C CSA (C-US) NRTL - Canadian Standards Association ATEX <165 pF $\geq 10^{12}$ Ohm $\geq 10^{12}$ Ohm ≥ 50 kohm ≥ 100 kohm Compression Inconel Welded Hermetic 2-Pin 2-conductor 140 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] Zero-based, least-squares, straight line method. [10] See PCB Declaration of Conformance PS058 for details. Supplied Accessories 30498-01 Clamp nut (1) 30736-01 Seal-G-.75-.50-.030 (3)
			[9]
			[1][2][3][4]
			[5][6][7][8]
 <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>			
Entered: LLH Engineer: BAM Sales: SGC Approved: LLH Spec Number: Date: 12/20/2010 Date: 12/07/2010 Date: 12/07/2010 Date: 12/21/2010 35041			
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