

Model Number 176M56		CHARGE OUTPUT PRESSURE SENSOR		Revision: B ECN #: 55057	
Performance Sensitivity(+/- 20 %) Measurement Range Maximum Pressure(Total) Resonant Frequency Non-Linearity		ENGLISH 15 pC/psi 10 psi 2,000 psi ≥ 50 kHz ≤ 1 % FS		SI 217.5 pC/bar .69 bar 137.9 bar ≥ 50 kHz ≤ 1 % FS [1]	
Environmental Acceleration Sensitivity Acceleration Sensitivity Temperature Range(Continuous) Temperature Range(Receptacle) Temperature Response Hazardous Area Approval		0.01 psi/g .003 psi/g -94 to 1,200 °F -76 to 500 °F See Graph See Manual		.00069 bar/g .00021 bar/g -70 to 650 °C -60 to 260 °C See Graph See Manual [2] [3] [3]	
Electrical Output Polarity Capacitance Resistance(Pin-Pin)(Room Temp) Resistance(Pin-Case)(Room Temp) Resistance(Pin-Pin)(1200°F/650°C) Resistance(Pin-Case)(1200°F/650°C)		Differential 113 pF ≥ 10 ¹² Ohm ≥ 10 ¹² Ohm ≥ 50 kohm ≥ 100 kohm		Differential 113 pF ≥ 10 ¹² Ohm ≥ 10 ¹² Ohm ≥ 50 kohm ≥ 100 kohm [3]	
Physical Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Cable Type Weight(with clamp nut & cable)		UHT-12™ Compression Nickel Alloy Welded Hermetic 7/16-27 2-Pin Overbraided Hardline 11.9 oz		UHT-12™ Compression Nickel Alloy Welded Hermetic 7/16-27 2-Pin Overbraided Hardline 337 gm	
CE UK CA [4] Typical Sensitivity Deviation vs Temperature US 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.					
OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.					
NOTES: [1]Zero-based, least-squares, straight line method. [2]Maximum. [3]Typical. [4]See PCB Declaration of Conformance PS058 for details.					
SUPPLIED ACCESSORIES: Model 060M61 Clamp Nut (1) Model 40890-01 Silver plated, ss, seal (6) Model PCS-1 Calibration of dynamic pressure sensors at 100% full scale, max 15 kpsi range.					
Entered: ND		Engineer: AJA		Sales: MV	
Date: 08/06/2024		Date: 08/06/2024		Date: 08/06/2024	
		Approved: RPF		Spec Number:	
		Date: 08/06/2024		70498	
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