

Model Number 112A05	CHARGE OUTPUT PRESSURE SENSOR			Revision: H ECN #: 29520
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(-10 to +25 %)	1.1 pC/psi	0.160 pC/kPa		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Measurement Range	5 kpsi	34,475 kPa		
Maximum Pressure(static)	10 kpsi	68,950 kPa		
Resolution	4 mpsi	0.028 kPa	[1]	E - Emralon coating
Resonant Frequency	≥ 200 kHz	≥ 200 kHz		Coating Emralon Emralon
Rise Time(Reflected)	≤ 2.0 μ sec	≤ 2.0 μ sec		Electrical Isolation(Case) 10 ⁸ ohm 10 ⁸ ohm
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	[2]	Supplied Accessory : Model 065A08 Isolation ring 0.250"OD x 0.218" ID x 0.027" thk anodized aluminum (3)
Environmental				Supplied Accessory : Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torlon or Vespel (3)
Acceleration Sensitivity	≤ 0.003 psi/g	≤ 0.0021 kPa/(m/s ²)		P - Positive Output Polarity
Temperature Range(Operating)	-400 to +600 °F	-240 to +316 °C		
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C		W - Water Resistant Cable [3]
Maximum Flash Temperature	3000 °F	1649 °C		Supplied Accessory : Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)
Maximum Shock	10,000 g pk	98,070 m/s ² pk		WM - Water Resistant Cable [3]
Electrical				Supplied Accessory : Model 060A05 Clamp nut M7 x 0.75-6g thd (1)
Output Polarity(Positive Pressure)	Negative	Negative		
Capacitance	18 pF	18 pF		
Insulation Resistance(at room temp)	≥ 10 ¹² ohm	≥ 10 ¹² ohm		
Physical				NOTES:
Sensing Element	Quartz	Quartz		[1] Resolution dependent on range setting and cable length used in charge system.
Sensing Geometry	Compression	Compression		[2] Zero-based, least-squares, straight line method.
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel		[3] Clamp nut installed prior to cable attachment
Diaphragm	316L Stainless Steel	316L Stainless Steel		
Sealing	Welded Hermetic	Welded Hermetic		
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack		
Weight	0.212 oz	6.0 gm		
<i>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.</i>				
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SUPPLIED ACCESSORIES:				
Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)				
Model 060A05 Clamp nut M7 x 0.75-6g thd (1)				
Model 065A02 Seal ring, sensor flush mount, 0.248" OD x 0.219" ID x 0.015" thk, brass (3)				
Model 065A05 Seal sleeve sensor recess mount 0.248" OD x 0.221" ID x 0.240" thk 17-7 (1)				
Entered: <i>R/S</i>	Engineer: <i>NJC</i>	Sales: <i>RNY</i>	Approved: <i>RF</i>	Spec Number:
Date: <i>10/17/08</i>	Date: <i>10/18/08</i>	Date: <i>10/30/08</i>	Date: <i>10/26/08</i>	7304
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