


Model Number <b>113B03</b>	<b>CHARGE OUTPUT PRESSURE SENSOR</b>		Revision: C ECN #: 40791
<b>Performance</b> Sensitivity(± 15 %) Measurement Range Maximum Pressure Resolution Resonant Frequency Rise Time(Reflected) Non-Linearity	<b>ENGLISH</b> 0.39 pC/psi 15 kpsi 15 kpsi 10 mpsi ≥ 500 kHz ≤ 1.0 μ sec ≤ 1.0 % FS	<b>SI</b> 0.056 pC/kPa 103,420 kPa 103,420 kPa 0.07 kPa ≥ 500 kHz ≤ 1.0 μ sec ≤ 1.0 % FS	<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.  <b>E - Emralon coating</b> [4] Coating Emralon Emralon Electrical Isolation(Case) 10 <sup>8</sup> Ohm 10 <sup>8</sup> Ohm Supplied Accessory : Model 065A08 Isolation ring 0.250"OD x 0.218" ID x 0.027" thk anodized aluminum (3) replaces Model 065A02 Supplied Accessory : Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torlon or Vespel (3) replaces Model 065A02  <b>H - Hermetic Seal</b> [4] Sealing Welded Hermetic Welded Hermetic  <b>J - Ground Isolated</b> [4][5]  <b>P - Positive Output Polarity</b>  <b>S - Stainless Steel Diaphragm</b> [4] Diaphragm 316L Stainless Steel 316L Stainless Steel  <b>W - Water Resistant Cable</b> [4]
<b>Environmental</b> Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Shock	≤ 0.002 psi/g -400 to +400 °F ≤ 0.03 %/°F 3000 °F 20,000 g pk	≤ 0.0014 kPa/(m/s <sup>2</sup> ) -240 to +204 °C ≤ 0.054 %/°C 1649 °C 196,140 m/s <sup>2</sup> pk	
<b>Electrical</b> Output Polarity(Positive Pressure) Capacitance Insulation Resistance(at room temp)	Negative 12 pF ≥ 10 <sup>12</sup> Ohm	Negative 12 pF ≥ 10 <sup>12</sup> Ohm	
<b>Physical</b> Sensing Element Sensing Geometry Housing Material Diaphragm Sealing Electrical Connector Weight	Quartz Compression 17-4 Stainless Steel Invar Welded Hermetic 10-32 Coaxial Jack 0.212 oz	Quartz Compression 17-4 Stainless Steel Invar Welded Hermetic 10-32 Coaxial Jack 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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<b>NOTES:</b> [1] Typical. [2] Resolution dependent on range setting and cable length used in charge system. [3] Zero-based, least-squares, straight line method. [4] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories. [5] Used with optional mounting adaptor.			
<b>SUPPLIED ACCESSORIES:</b> 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 17-4 (1)			
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