


Model Number 116B	<b>CHARGE OUTPUT PRESSURE SENSOR</b>		Revision L ECN #: 29520						
<b>Performance</b> Sensitivity ( $\pm 15\%$ ) Measurement Range Maximum Pressure (static) Resolution Resonant Frequency Rise Time (Reflected) Non-Linearity	<b>ENGLISH</b> 6 pC/psi 100 psi 3 kpsi 0.3 mpsi $\geq 55$ kHz $\leq 9$ $\mu$ sec $\leq 1\%$ FS	<b>SI</b> 0.870 pC/kPa 690 kPa 20685 kPa .0021 kPa $\leq 55$ kHz $\leq 9$ $\mu$ sec $\leq 1\%$ FS	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) <b>E</b> - Emralon coating Temperature Range (Operating) -65 to 250 °F -54 to 121 °C Supplied Accessory: Model 065A47 Seal ring, 0.497" OD x 0.437" ID x 0.025" thk, Delrin (for Models E116B and E106B) <b>P</b> - Positive Output Polarity						
<b>Environmental</b> Acceleration Sensitivity Temperature Range (Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Shock	$\leq .002$ psi/g -400 to 650 °F $\leq .04\%$ /°F 3000 °F 2000 g pk	$\leq .0014$ kPa/(m/s <sup>2</sup> ) -240 to 345 °C $\leq .072\%$ /°C 1649 °C 19620 m/s <sup>2</sup> pk	<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.						
<b>Electrical</b> Output Polarity (Positive Pressure) Capacitance Insulation Resistance (at 650°F[345°C]) Insulation Resistance (at room temp)	Negative 30 pF $> 10^9$ Ohm $> 10^{11}$ Ohm	Negative 30 pF $> 10^9$ Ohm $> 10^{11}$ Ohm	<b>Supplied Accessories</b> 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex () 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1) 065A37 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Brass ()						
<b>Physical</b> Sensing Element Housing Material  Diaphragm  Sealing Electrical Connector Weight	Quartz 316L Stainless Steel Steel 316L Stainless Steel Steel Welded Hermetic 10-32 Coaxial Jack .717 oz	Quartz 316L Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 20.3 gm							
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB group, Inc.</p>									
Entered: BLS Date: 10/17/2008		Engineer: NJL Date: 10/02/2008		Sales: RWM Date: 10/03/2008		Approved: RPF Date: 10/02/2008		Spec Number: <b>116-2010-80</b>	
					3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 800-828-8840 Fax: 716-684-0987 E-mail: info@pcb.com Web site: www.pcb.com				