



Model Number 113B31	ICP® PRESSURE SENSOR		Revision: C ECN #: 40791										
Performance Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity(± 15 %) Maximum Pressure Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response Non-Linearity	<u>ENGLISH</u> 200 psi 400 psi 25 mV/psi 1 kpsi 1 mpsi ≥ 400 kHz ≤ 1.5 μ sec 5.0 Hz ≤ 1.0 % FS	<u>SI</u> 1379 kPa 2760 kPa 3.6 mV/kPa 6895 kPa 0.007 kPa ≥ 400 kHz ≤ 1.5 μ sec 5.0 Hz ≤ 1.0 % FS	<p data-bbox="1119 183 1929 228">Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.</p> <p data-bbox="1119 248 1929 407"> E - Emralon coating [4] Coating Electrical Isolation Supplied Accessory : Model 065A08 Isolation ring 0.250"OD x 0.218" ID x 0.027" thk anodized aluminum (3) Supplied Accessory : Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torlon or Vespel (3) </p> <p data-bbox="1119 427 1929 505"> H - Hermetic Seal J - Ground Isolated [4][5] </p> <p data-bbox="1119 524 1929 618"> N - Negative Output Polarity W - Water Resistant Cable [6][4] Supplied Accessory : Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1) </p> <p data-bbox="1119 638 1929 683"> WM - Water Resistant Cable [6][4] Supplied Accessory : Model 060A05 Clamp nut M7 x 0.75-6g thd (1) </p>										
Environmental Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock	≤ 0.002 psi/g -100 to +275 °F ≤ 0.1 %/°F 3000 °F 2000 g pk 20,000 g pk	≤ 0.0014 kPa/(m/s ²) -73 to +135 °C ≤ 0.18 %/°C 1650 °C 19,614 m/s ² pk 196,140 m/s ² pk	<p data-bbox="1119 732 1929 922"> NOTES: [1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details. [4] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories. [5] Used with optional mounting adaptor. [6] Clamp nut installed prior to cable attachment </p>										
Electrical Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Positive 0.1 to 1.0 sec 20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC Compression Quartz Invar Invar Invar Welded Hermetic 10-32 Coaxial Jack 0.2 oz	Positive 0.1 to 1.0 sec 20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC Compression Quartz Invar Invar Invar Welded Hermetic 10-32 Coaxial Jack 6.0 gm	<p data-bbox="1119 959 1929 1068"> 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 17-4 (1) </p>										
 [3] 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.			<table border="1" data-bbox="1119 1105 1929 1190"> <tr> <td>Entered: AP</td> <td>Engineer: MJK</td> <td>Sales: KWW</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 3/19/2013</td> <td>Date: 3/19/2013</td> <td>Date: 3/19/2013</td> <td>Date: 3/19/2013</td> <td style="text-align: center;">29697</td> </tr> </table> <p data-bbox="1119 1230 1564 1308">  3425 Walden Avenue, Depew, NY 14043 </p> <p data-bbox="1654 1230 1929 1308"> Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com </p>	Entered: AP	Engineer: MJK	Sales: KWW	Approved: BAM	Spec Number:	Date: 3/19/2013	Date: 3/19/2013	Date: 3/19/2013	Date: 3/19/2013	29697
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