

Model Number 113B24	ICP® PRESSURE SENSOR			Revision C ECN #: 40791									
<b>Performance</b> Measurement Range (for ±5V output) Useful Overrange (for ± 10V output) Sensitivity (±10 %) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response (-5 %) Non-Linearity	<b>ENGLISH</b> 1 kpsi 2 kpsi 5.0 mV/psi 10 kpsi 5 mpsi ≥500 kHz ≤1.0 μ sec 0.005 Hz ≤1.0 % FS	<b>SI</b> 6895 kPa 13790 kPa 0.725 mV/kPa 68950 kPa 0.035 kPa ≥500 kHz ≤1.0 μ sec 0.005 Hz ≤1.0 % 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 [5] <b>H</b> - Hermetic Seal [6] Sealing [6]      Welded Hermetic      Welded Hermetic <b>J</b> - Ground Isolated [6] [7] <b>N</b> - Negative Output Polarity [6] <b>S</b> - Stainless Steel Diaphragm [6] Diaphragm      316L Stainless Steel      316L Stainless Steel <b>W</b> - Water Resistant Cable [6] Supplied Accessory: Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (for Series 111, 112 and 113) [6] <b>WM</b> - Water Resistant Cable [6] Supplied Accessory: Model 060A05 Clamp nut, M7 x 0.75-6G thd (for Series 111, M112 and M113) [6]										
<b>Environmental</b> Acceleration Sensitivity Temperature Range (Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock	≤0.002 psi/g -100 to +275 °F ≤0.03 %/°F 3000 °F 2000 g pk 20000 g pk	≤0.0014 kPa/(m/s²) -73 to +135 °C ≤0.054 %/°C 1649 °C 19614 m/s² pk 196140 m/s² pk	[2] [1] [3] [1]										
<b>Electrical</b> Output Polarity (Positive Pressure) Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥100 sec 20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	Positive ≥100 sec 20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC											
<b>Physical</b> Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight (with clamp nut)	Compression Quartz 17-4 Stainless Steel Steel Invar Welded Hermetic 10-32 Coaxial Jack 0.21 oz	Compression Quartz 17-4 Stainless Steel Steel Invar Welded Hermetic 10-32 Coaxial Jack 6.0 gm	<b>Notes</b> [1] Typical. [2] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [3] Zero-based, least-squares, straight line method. [4] See PCB Declaration of Conformance PS023 for details. [5] Clamp nut installed prior to cable attachment [6] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories. [7] Used with optional mounting adaptor.										
 [4]	<b>Supplied Accessories</b> 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1) 060A05 Clamp nut M7 x 0.75-6g thd (1) 065A02 Seal ring, sensor flush mount, 0.248" OD x 0.219" ID x 0.015" thk, brass (3) 065A05 Seal sleeve sensor recess mount 0.248" OD x 0.221" ID x 0.240" thk 17-4 (1)												
<i>All specifications are at room temperature unless otherwise specified.</i> 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"> <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: 03/19/2013</td> <td>Date: 03/19/2013</td> <td>Date: 03/19/2013</td> <td>Date: 03/19/2013</td> <td><b>40647</b></td> </tr> </table>			Entered: AP	Engineer: MJK	Sales: KWW	Approved: BAM	Spec Number:	Date: 03/19/2013	Date: 03/19/2013	Date: 03/19/2013	Date: 03/19/2013	<b>40647</b>
Entered: AP	Engineer: MJK	Sales: KWW	Approved: BAM	Spec Number:									
Date: 03/19/2013	Date: 03/19/2013	Date: 03/19/2013	Date: 03/19/2013	<b>40647</b>									
	 3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 800-828-8840 Fax: 716-684-0987 E-mail: info@pcb.com												

