


Model Number <b>112A22</b>	<b>ICP® PRESSURE SENSOR</b>		Revision: H ECN #: 40791	
<b>Performance</b> Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity(± 15 %) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response(-5 %) Non-Linearity	<b>ENGLISH</b> 50 psi 100 psi 100 mV/psi 500 psi 1 mpsi ≥ 250 kHz ≤ 2.0 µ sec 0.50 Hz ≤ 1.0 % FS	<b>SI</b> 345 kPa 690 kPa 14.5 mV/kPa 3450 kPa 0.007 kPa ≥ 250 kHz ≤ 2.0 µ sec 0.50 Hz ≤ 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 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)	
<b>Environmental</b> Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Shock  <b>Electrical</b> Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	≤ 0.002 psi/g -100 to +275 °F ≤ 0.06 %/°F 3000 °F 20,000 g pk  Positive ≥ 1.0 sec 22 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	≤ 0.0014 kPa/(m/s <sup>2</sup> ) -73 to +135 °C ≤ 0.108 %/°C 1650 °C 196,000 m/s <sup>2</sup> pk  Positive ≥ 1.0 sec 22 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	<b>H - Hermetic Seal</b> [4] Sealing Welded Hermetic Welded Hermetic  <b>J - Ground Isolated</b> [4][5]  <b>N - Negative Output Polarity</b> [4]  <b>S - Stainless Steel Diaphragm</b> [4] Diaphragm 316L Stainless Steel 316L Stainless Steel  <b>W - Water Resistant Cable</b> [6][4] Supplied Accessory : Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)	
<b>Physical</b> Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight(with clamp nut)	Compression Quartz 17-4 Stainless Steel Invar Welded Hermetic 10-32 Coaxial Jack 0.21 oz	Compression Quartz 17-4 Stainless Steel Invar Welded Hermetic 10-32 Coaxial Jack 6.0 gm	<b>WM - Water Resistant Cable</b> [6][4] Supplied Accessory : Model 060A05 Clamp nut M7 x 0.75-6g thd (1)	
<b>NOTES:</b> [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				
<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)				
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	<b>6476</b>
<div style="display: flex; justify-content: space-between;"> <div data-bbox="1117 1328 1575 1409">             3425 Walden Avenue, Depew, NY 14043         </div> <div data-bbox="1654 1328 1925 1409"> <b>Phone: 716-684-0001</b>  <b>Fax: 716-684-0987</b>  <b>E-Mail: info@pcb.com</b> </div> </div>				



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.