

Model Number 102B16		ICP® PRESSURE SENSOR		Revision B ECN #: 34651										
Performance Measurement Range (for ±5V output) Useful Overrange (for ± 10V output) Sensitivity (±5 mV/psi) Maximum Pressure (static) Resolution Resonant Frequency Rise Time (Reflected) Low Frequency Response (-5 %) Non-Linearity	ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) CA - Ablative Coating H - Hermetic Seal Sealing M - Metric Mount Supplied Accessory: Model 065A40 Seal ring, 0.435" OD x 0.397" ID x 0.030" thk, brass (for Models 061A07 and 061A10 thread adaptors) replaces Model 065A03 N - Negative Output Polarity S - Stainless Steel Diaphragm Diaphragm W - Water Resistant Cable	[2] [1] [3]	Welded Hermetic 316L Stainless Steel 316L Stainless Steel									
	100 psi	689.4 kPa												
	200 psi	1378.8 kPa												
	50 mV/psi	7.25 mV/kPa												
	1 kpsi	6895 kPa												
	1 mpsi	0.007 kPa												
	≥500 kHz	≥500 kHz												
	≤1.0 μ sec	≤1.0 μ sec												
	0.5 Hz	0.5 Hz												
	≤1.0 % FS	≤1.0 % FS												
Environmental Acceleration Sensitivity Temperature Range (Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Shock	≤0.002 psi/g	≤0.0014 kPa/(m/s²)	[1]											
	-100 to +275 °F	-73 to +135 °C												
	≤0.03 %/°F	≤0.054 %/°C												
	3000 °F	1650 °C												
	20000 g pk	196000 m/s² pk												
Electrical Output Polarity (Positive Pressure) Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Electrical Isolation	Positive	Positive												
	≥1.0 sec	≥1.0 sec												
	20 to 30 VDC	20 to 30 VDC												
	2 to 20 mA	2 to 20 mA												
	<100 Ohm	<100 Ohm												
	8 to 14 VDC	8 to 14 VDC												
	10 ⁸ Ohm	10 ⁸ Ohm												
Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Compression	Compression												
	Quartz	Quartz												
	Stainless Steel	Stainless Steel												
	Invar	Invar												
	Welded Hermetic	Welded Hermetic												
	10-32 Coaxial Jack	10-32 Coaxial Jack												
	0.50 oz	14.3 gm												
 [4] 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><tr><td>Entered: DMW</td><td>Engineer: NJL</td><td>Sales: RWM</td><td>Approved: ECB</td><td>Spec Number:</td></tr><tr><td>Date: 12/22/2010</td><td>Date: 12/22/2010</td><td>Date: 12/22/2010</td><td>Date: 12/22/2010</td><td>40740</td></tr></table>  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					Entered: DMW	Engineer: NJL	Sales: RWM	Approved: ECB	Spec Number:	Date: 12/22/2010	Date: 12/22/2010	Date: 12/22/2010	Date: 12/22/2010	40740
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