



Model Number 106B		ICP® PRESSURE SENSOR		Revision: Y ECN #: 29520	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Measurement Range(for ±2.5V output)	8.3 psi	57.2 kPa		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Sensitivity(± 15 %)	300 mV/psi	43.5 mV/kPa		E - Emralon coating	
Maximum Pressure(step)	200 psi	1379 kPa		Coating	Emralon Emralon
Maximum Pressure	2 kpsi	13,790 kPa		Electrical Isolation	10 ⁸ ohm 10 ⁸ ohm
Resolution	0.1 mpsi	0.00069 kPa	[1]	Supplied Accessory : Model 065A47 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Delrin (3)	
Resonant Frequency	≥ 60 kHz	≥ 60 kHz		J - Ground Isolated [4]	
Rise Time	≤ 9 μ sec	≤ 9 μ sec		T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4	
Low Frequency Response(-5 %)	0.5 Hz	0.5 Hz		Output Bias Voltage	3.7 to 8.7 VDC 3.7 to 8.7 VDC
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[2]	W - Water Resistant Cable [5]	
Environmental				Supplied Accessory : Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex (1)	
Acceleration Sensitivity	≤ 0.002 psi/g	≤ 0.0014 kPa/(m/s ²)		WM - Water Resistant Cable [5]	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C		Supplied Accessory : Model 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1)	
Temperature Coefficient of Sensitivity	≤ 0.05 %/°F	≤ 0.09 %/°C		NOTES:	
Maximum Flash Temperature	3000 °F	1649 °C		[1] Typical.	
Maximum Shock	2000 g pk	19,600 m/s ² pk		[2] Zero-based, least-squares, straight line method.	
Electrical				[3] See PCB Declaration of Conformance PS023 for details.	
Output Polarity(Positive Pressure)	Positive	Positive		[4] Used with optional mounting adaptor.	
Discharge Time Constant(at room temp)	≥ 1 sec	≥ 1 sec		[5] Clamp nut installed prior to cable attachment	
Excitation Voltage	12 to 30 VDC	12 to 30 VDC		SUPPLIED ACCESSORIES:	
Constant Current Excitation	2 to 20 mA	2 to 20 mA		Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex (1)	
Output Impedance	≤ 100 ohm	≤ 100 ohm		Model 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1)	
Output Bias Voltage	3 to 8 VDC	3 to 8 VDC		Model 065A37 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Brass (3)	
Physical				Entered: <i>BLS</i> Engineer: <i>NJL</i> Sales: <i>RWM</i> Approved: <i>RF</i> Spec Number:	
Sensing Geometry	Compression	Compression		Date: <i>10/17/08</i> Date: <i>10/2/08</i> Date: <i>10/3/08</i> Date: <i>10/2/08</i> 106-2010-80	
Sensing Element	Quartz	Quartz		 PCB PIEZOTRONICS™ PRESSURE DIVISION 3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-686-9129 E-Mail: pressure@pcb.com	
Housing Material	304/304L Stainless Steel	304/304L Stainless Steel			
Diaphragm	316L Stainless Steel	316L Stainless Steel			
Sealing	Welded Hermetic	Welded Hermetic			
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack			
Weight	0.63 oz	18.0 gm			
 [3]					
<p>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.</p>					



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