

Model Number 103B11	ACOUSTIC ICP® PRESSURE SENSOR		Revision: B ECN #: 20470	
Performance	ENGLISH	SI	OPTIONAL VERSIONS	
Measurement Range (± 5 V output)	10 psi	190.7 dB	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. M - Metric Mount Supplied Accessory : Model M061A04 Clamp (2)	
Useful Overrange (± 10 V output)	20 psi	196.7 dB		
Sensitivity (± 15 %)	500 mV/psi	72.5 mV/kPa		
Maximum Pressure	250 psi	1724 kPa		
Resolution	0.06 mpsi	86.3 dB		
Resonant Frequency	≥ 13 kHz	≥ 13 kHz		
Rise Time	≤ 25 µ sec	≤ 25 µ sec		
Low Frequency Response (-5 %)	5 Hz	5 Hz		
Non-Linearity	≤ 2.0 % FS	≤ 2.0 % FS		
Environmental				
Acceleration Sensitivity	≤ 0.0005 psi/g	≤ 0.0035 kPa/(m/s ²)		
Temperature Range (Operating)	-100 to 250 °F	-73 to 121 °C		
Temperature Coefficient of Sensitivity	≤ 0.2 %/°F	≤ 0.36 %/°C		
Maximum Flash Temperature	1000 °F	538 °C		
Maximum Shock	1000 g pk	9807 m/s ² pk	SUPPLIED ACCESSORIES: Model 061A04 Sleeve clamp 4-40 cap screw (2) Model 065A66 Adhesive Mounting Ring (3)	
Electrical				
Output Polarity (Positive Pressure)	Positive	Positive		
Discharge Time Constant (at room temp)	≥ 0.1 sec	≥ 0.1 sec		
Excitation Voltage	20 to 30 VDC	20 to 30 VDC		
Constant Current Excitation	2 to 20 mA	2 to 20 mA		
Output Impedance	≤ 100 ohm	≤ 100 ohm		
Output Bias Voltage	7 to 13 VDC	7 to 13 VDC		
Physical				
Sensing Element	Ceramic	Ceramic		
Housing Material	Stainless Steel	Stainless Steel		
Diaphragm	316L Stainless Steel	316L Stainless Steel		
Sealing	Epoxy	Epoxy		
Electrical Connector	Integral Cable	Integral Cable		
Cable Termination	Pigtail Ends	Pigtail Ends		
Weight	0.115 oz	3.260 gm		
Cable Type	32 AWG stranded wires	32 AWG stranded wires		
Cable Length	15 in	38.1 cm		
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.				
			 PCB PIEZOTRONICS® PRESSURE DIVISION 3425 Walden Avenue, Depew, NY 14043	
			Phone: 716-684-0001 Fax: 716-686-9129 E-Mail: pressure@pcb.com	