

Model Number 103B02	ACOUSTIC ICP PRESSURE SENSOR		Revision: B ECN #: 40794	
Performance	ENGLISH	SI	OPTIONAL VERSIONS 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 060A24 Clamp nut M14 x 1.25-6G thd 11 mm hex 17-4 SS material (1)	
Measurement Range	3.00 psi	180.3 dB		
Useful Overrange	6.00 psi	186.3 dB	[1]	
Sensitivity(± 15 %)	1500 mV/psi	217.5 mV/kPa		
Maximum Pressure	250 psi	1724 kPa		
Resolution	0.02 mpsi	77 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		[2]
Environmental				NOTES: [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.
Acceleration Sensitivity	≤ 0.0005 psi/g	≤ 0.0035 kPa/(m/s ²)		
Temperature Range(Operating)	-100 to 250 °F	-73 to 121 °C	SUPPLIED ACCESSORIES: Model 060A10 Clamp nut 1/2-20-2A thd 7/16" hex (1) Model 065A66 Adhesive Mounting Ring (3) Model 160-0242-00 O-ring .250x.375(2-0100) (3)	
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		
Electrical				
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			Entered: AP Engineer: jg Sales: KWW Approved: BAM Spec Number: Date: 3/18/2013 Date: 3/18/2013 Date: 3/18/2013 Date: 3/18/2013 24258	
Sensing Element	Ceramic	Ceramic		
Housing Material	Stainless Steel	Stainless Steel	PCB PIEZOTRONICS ™ 3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	
Diaphragm	316L Stainless Steel	316L Stainless Steel		
Sealing	Welded Hermetic	Welded Hermetic		
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack		
Weight	0.11 oz	3.15 gm		
<p><i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>				



Represented in India by
Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com
 #4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029