

Model Number 103B02	ACOUSTIC ICP PRESSURE SENSOR				Revision: B ECN #: 40794
Performance	ENGLISH	SI	OPTIONAL VERSIONS		
Measurement Range	3.00 psi	180.3 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.		
Useful Overrange	6.00 psi	186.3 dB			
Sensitivity(± 15 %)	1500 mV/psi	217.5 mV/kPa	M - Metric Mount Supplied Accessory : Model 060A24 Clamp nut M14 x 1.25-6G thd 11 mm hex 17-4 SS material (1)		
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	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.		
Environmental					
Acceleration Sensitivity	≤ 0.0005 psi/g	≤ 0.0035 kPa/(m/s²)			
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/s² pk			
Electrical					
Discharge Time Constant(at room temp)	≥ 0.1 sec	≥ 0.1 sec	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)		
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	Welded Hermetic	Welded Hermetic			
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	Entered: APEngineer: jgSales: KWWApproved: BAMSpec Number: Date: 3/18/2013Date: 3/18/2013Date: 3/18/2013Date: 3/18/201324258 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043		
Weight	0.11 oz	3.15 gm			
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.					
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