

	ENGLISH	SI	
<b>Performance</b>			
Measurement Range(± 5 V output)	10 psi	190.7 dB	
Useful Overrange(± 10 V output)	20 psi	196.7 dB	[1]
Sensitivity(± 15 %)	500 mV/psi	72.5 mV/kPa	
Maximum Pressure	250 psi	1,724 kPa	
Resolution	0.06 mpsi	86.3 dB	[2]
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	[3]
<b>Environmental</b>			
Acceleration Sensitivity	0.0005 psi/g	0.0035 kPa/(m/s <sup>2</sup> )	[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	1,000 °F	538 °C	
Maximum Shock	1,000 g pk	9,807 m/s <sup>2</sup> pk	
Maximum Vibration	1,000 g pk	9,807 m/s <sup>2</sup> pk	
<b>Electrical</b>			
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant	0.1 to 2.0 sec	0.1 to 2.0 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	
<b>Physical</b>			
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	
Weight	0.11 oz	3.15 gm	

**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)

**NOTES:**

[1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias.

[2] Typical.

[3] Zero-based, least-squares, straight line method.

[4] See PCB Declaration of Conformance PS023 for details.

**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)  
 Model PCS-1 Calibration of dynamic pressure sensors at 100% full scale, max 15 kpsi range.  
 Model PCS-24 Sensor sensitivity calibration with Pistonphone

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All specifications are at room temperature unless otherwise specified.  
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