

	ENGLISH	SI	
<b>Performance</b>			
Measurement Range(for ±5V output)	50 psi	345 kPa	
Useful Overrange(for ± 10V output)	100 psi	690 kPa	[1]
Sensitivity(± 15 %)	100 mV/psi	14.5 mV/kPa	
Maximum Pressure(step)	500 psi	3,447 kPa	
Maximum Pressure(Total)	15,000 psi	103,421 kPa	
Resolution	0.1 mpsi	0.00069 kPa	[2]
Resonant Frequency	≥ 250 kHz	≥ 250 kHz	
Rise Time(Reflected)	≤ 2.0 μ sec	≤ 2.0 μ sec	
Low Frequency Response(- 5 %)	0.5 Hz	0.5 Hz	
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	[3]
<b>Environmental</b>			
Acceleration Sensitivity	0.002 psi/g	0.0014 kPa/(m/s <sup>2</sup> )	[2]
Temperature Range(Operating)	-100 to +275 °F	-73 to +135 °C	
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C	
Maximum Flash Temperature	3,000 °F	1,650 °C	
Maximum Vibration	2,000 g pk	19,600 m/s <sup>2</sup> pk	
Maximum Shock	20,000 g pk	196,000 m/s <sup>2</sup> pk	
<b>Electrical</b>			
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant(at room temp)	≥ 1.0 sec	≥ 1.0 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	8 to 14 VDC	8 to 14 VDC	
Electrical Isolation	≥ 10 <sup>8</sup> Ohm	≥ 10 <sup>8</sup> Ohm	
<b>Physical</b>			
Sensing Geometry	Compression	Compression	
Sensing Element	Quartz	Quartz	
Housing Material	17-4 / 304L Stainless Steel	17-4 / 304L Stainless Steel	
Thread Adaptor Material	17-4 Stainless Steel	17-4 Stainless Steel	
Diaphragm	Invar	Invar	
Sealing	Hermetic	Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	0.39 oz	11.0 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.

**CA** - Ablative Coating

**M** - Metric Mount  
Supplied Accessory: Model 065A42 Floating clamp nut and thread seal, M10 x 1.0 thd. (1) replaces Model 065B01

**N** - Negative Output Polarity

<b>S</b> - Stainless Steel Diaphragm Diaphragm	316L Stainless Steel	316L Stainless Steel
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**W** - Water Resistant Cable

**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 065B01 Floating clamp nut and thread seal 3/8-24 thd (1)  
Model PCS-1AZ Sensitivity calibration at 100% and 10% of sensor range

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All specifications are at room temperature unless otherwise specified.  
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