

	ENGLISH	SI	
<b>Performance</b>			
Measurement Range(for ±5V output)	100 psi	689.5 kPa	
Useful Overrange(for ± 10V output)	200 psi	1,379 kPa	[1]
Sensitivity(± 10 mV/psi)	50 mV/psi	7.25 mV/kPa	
Maximum Pressure	500 psi	3 448 kPa	
Resolution	0.4 psi	0.0028 kPa	[2]
Resonant Frequency	≥ 250 kHz	≥ 250 kHz	
Rise Time	≤ 2 μ sec	≤ 2 μ sec	
Low Frequency Response(- 5 %)	0.50 Hz	0.50 Hz	
Non-Linearity	≤ 1 % FS	≤ 1 % 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	≤ .054 %/°C	
Maximum Flash Temperature	3,000 °F	1 649 °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 sec	≥ 1 sec	
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
<b>Physical</b>			
Sensing Element	Quartz	Quartz	
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel	
Diaphragm	316L Stainless Steel	316L Stainless Steel	[4]
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	0.4 oz	11 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 065A40 Seal ring 0.435" OD x 0.397" ID x 0.030" thk brass (3)

**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] Diaphragm with ablative coating.

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

**SUPPLIED ACCESSORIES:**

Model 065A44 Seal ring 0.435" OD x 0.377" ID x 0.030" thk Cu (3)  
Model PCS-1AZ Sensitivity calibration at 100% and 10% of sensor range

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**PCB PIEZOTRONICS**  
AN AMPHENOL COMPANY

Phone: 716-684-0001  
Fax: 716-684-0987  
E-Mail: info@pcb.com

3425 Walden Avenue, Depew, NY 14043



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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