

	ENGLISH	SI
<b>Performance</b>		
Measurement Range(for ±5V output)	5 kpsi	34,475 kPa
Useful Overrange(for ± 10V output)	10 kpsi	68,950 kPa [1]
Sensitivity(± 15 %)	1.0 mV/psi	0.145 mV/kPa
Maximum Pressure(Total)	15 kpsi	103,425 kPa
Resolution	100 mpsi	0.690 kPa [2]
Resonant Frequency	≥ 250 kHz	≥ 250 kHz
Rise Time(Reflected)	≤ 2.0 μ sec	≤ 2.0 μ sec
Low Frequency Response(- 5 %)	0.25 Hz	0.25 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)	-400 to +212 °F	-240 to +100 °C
Temperature Coefficient of Sensitivity	≤ 0.06 %/°F	≤ 0.108 %/°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)	≥ 2.0 sec	≥ 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	8 to 14 VDC	8 to 14 VDC
<b>Physical</b>		
Sensing Element	Quartz	Quartz
Housing Material	304L/316L Stainless Steel	304L/316L Stainless Steel
Thread Adaptor Material	316L Stainless Steel	316L 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	0.388 oz	11.00 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 065A34 Seal ring 0.435" OD x 0.397" ID x 0.030" Cu (3)

**NOTES:**

[1]Excitation voltage >=28 volts required.  
 [2]Typical.  
 [3]Zero-based, least-squares, straight line method.  
 [4]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-10AA Single point sensitivity coefficient at sensor minimum operating temperature (-320°F / -196°C limit)  
 Model PCS-1AZ Sensitivity calibration at 100% and 10% of sensor range

Entered: ND	Engineer: RPF	Sales: RWM	Approved: RPF	Spec Number:
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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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**PCB PIEZOTRONICS**  
 AN AMPHENOL COMPANY  
 Phone: 716-684-0001  
 Fax: 716-684-0987  
 E-Mail: info@pcb.com

3425 Walden Avenue, Depew, NY 14043