

	ENGLISH	SI	
Performance			
Measurement Range(for ±5V output)	10 kpsi	68,950 kPa	
Useful Overrange	15 kpsi	103,425 kPa	
Sensitivity(± 15 %)	0.5 mV/psi	0.073 mV/kPa	
Maximum Pressure(Total)	15 kpsi	103,425 kPa	
Resolution	200 mpsi	1.4 kPa	[1]
Resonant Frequency	≥ 250 kHz	≥ 250 kHz	
Rise Time	≤ 2.0 μ sec	≤ 2.0 μ sec	
Low Frequency Response(- 5 %)	0.1 Hz	0.1 Hz	
Non-Linearity	< 1 % FS	< 1 % FS	[2]
Environmental			
Acceleration Sensitivity	0.002 psi/g	0.0014 kPa/(m/s ²)	[1]
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 ² pk	
Maximum Shock	20,000 g pk	196,000 m/s ² pk	
Electrical			
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant(at room temp)	≥ 5 sec	≥ 5 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	
Physical			
Sensing Element	Quartz	Quartz	
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	0.388 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]Typical.
[2]Zero-based, least-squares, straight line method.
[3]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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