

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Measurement Range(for ±5V output)	10 kpsi	68,950 kPa	
Sensitivity(± 0.05 mV/psi)	0.5 mV/psi	0.07 mV/kPa	
Maximum Pressure	15 kpsi	103,420 kPa	
Resolution	200 mpsi	1.4 kPa	
Resonant Frequency	≥ 400 kHz	≥ 400 kHz	
Rise Time(Reflected)	≤ 1.5 μ sec	≤ 1.5 μ sec	
Low Frequency Response(-5 %)	0.0005 Hz	0.0005 Hz	
Non-Linearity	≤ 2.0 % FS	≤ 2.0 % FS	[1]
<b>Environmental</b>			
Acceleration Sensitivity	<0.002 psi/g	<0.0014 kPa/(m/s <sup>2</sup> )	
Temperature Range(Operating)	-100 to +275 °F	-73 to +135 °C	
Temperature Coefficient of Sensitivity	≤ 0.2 %/°F	≤ 0.36 %/°C	
Maximum Vibration	2000 g pk	19,614 m/s <sup>2</sup> pk	
Maximum Shock	20,000 g pk	196,140 m/s <sup>2</sup> pk	
<b>Electrical</b>			
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant(at room temp)	≥ 1000 sec	≥ 1000 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 Geometry	Compression	Compression	
Sensing Element	Quartz	Quartz	
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel	
Diaphragm	Invar	Invar	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	0.21 oz	6.0 gm	

<b>OPTIONAL VERSIONS</b>			
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.			
<b>E - Emralon coating</b>			[3]
Coating	Emralon	Emralon	
Electrical Isolation	10 <sup>8</sup> Ohm	10 <sup>8</sup> Ohm	
Supplied Accessory : Model 065A08 Isolation ring 0.250"OD x 0.218" ID x 0.027" thk anodized aluminum (3)			
Supplied Accessory : Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torlon or Vespel (3)			
<b>H - Hermetic Seal</b>			[3]
Sealing	Welded Hermetic	Welded Hermetic	
<b>J - Ground Isolated</b>			[3][4]
<b>N - Negative Output Polarity</b>			[3]
<b>S - Stainless Steel Diaphragm</b>			[3]
Diaphragm	316L Stainless Steel	316L Stainless Steel	
<b>W - Water Resistant Cable</b>			[3]

**NOTES:**

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

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

[3] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories.

[4] Used with optional mounting adaptor.

**SUPPLIED ACCESSORIES:**

Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)

Model 060A05 Clamp nut M7 x 0.75-6g thd (1)

Model 065A02 Seal ring, sensor flush mount, 0.248" OD x 0.219" ID x 0.015" thk, brass (3)

Model 065A05 Seal sleeve sensor recess mount 0.248" OD x 0.221" ID x 0.240" thk 17-4 (1)



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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