

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Measurement Range(for ±5V output)	50 psi	344.7 kPa	
Useful Overrange(for ± 10V output)	100 psi	689.4 kPa	[1]
Sensitivity(± 15 %)	100 mV/psi	14.5 mV/kPa	
Maximum Pressure	1 kpsi	6895 kPa	
Resolution	1 mpsi	0.007 kPa	[2]
Resonant Frequency	≥ 500 kHz	≥ 500 kHz	
Rise Time	≤ 1.0 μ sec	≤ 1.0 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> )	
Temperature Range(Operating)	-100 to +275 °F	-73 to +135 °C	
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C	
Maximum Flash Temperature	3000 °F	1649 °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)	≥ 1.0 sec	≥ 1.0 sec	
Excitation Voltage	22 to 30 VDC	22 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(with clamp nut)	0.16 oz	4.5 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</b> - Emralon coating		[5]
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</b> - Hermetic Seal		[5]
Sealing	Welded Hermetic	Welded Hermetic
<b>J</b> - Ground Isolated		[5][6]
<b>N</b> - Negative Output Polarity		[5]
<b>S</b> - Stainless Steel Diaphragm		[5]
Diaphragm	316L Stainless Steel	316L Stainless Steel
<b>W</b> - Water Resistant Cable		[7][5]
Supplied Accessory : Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)		
<b>WM</b> - Water Resistant Cable		[7][5]
Supplied Accessory : Model 060A05 Clamp nut M7 x 0.75-6g thd (1)		

**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.

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

[6] Used with optional mounting adaptor.

[7] Clamp nut installed prior to cable attachment

**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)

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[4]

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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