

	ENGLISH	SI	
<b>Performance</b>			
Measurement Range (for ±5V output)	5 kpsi	34475 kPa	
Useful Overrange (for ± 10V output)	10 kpsi	68950 kPa	[1]
Sensitivity (±0.1 mV/psi)	1.0 mV/psi	0.145 mV/kPa	
Maximum Pressure	15 kpsi	103425 kPa	
Resolution	100 mpsi	0.69 kPa	
Resonant Frequency	≥400 kHz	≥400 kHz	
Rise Time (Reflected)	≤1.5 μ sec	≤1.5 μ sec	
Low Frequency Response (-5 %)	0.001 Hz	0.001 Hz	
Non-Linearity	≤2.0 % FS	≤2.0 % FS	[2]
<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	19614 m/s <sup>2</sup> pk	
Maximum Shock	20000 g pk	196140 m/s <sup>2</sup> pk	
<b>Electrical</b>			
Output Polarity (Positive Pressure)	Positive	Positive	
Discharge Time Constant (at room temp)	≥500 sec	≥500 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	

**Optional Versions** (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

**E** - Emralon coating [4]  
 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  
 Supplied Accessory: Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torton or Vespel

**H** - Hermetic Seal [4]  
 Sealing Welded Hermetic Welded Hermetic

**J** - Ground Isolated [4]  
 [5]

**N** - Negative Output Polarity [4]

**S** - Stainless Steel Diaphragm [4]  
 Diaphragm 316L Stainless Steel 316L Stainless Steel

**W** - Water Resistant Cable [4]

**Notes**  
 [1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias.  
 [2] Zero-based, least-squares, straight line method.  
 [3] See PCB Declaration of Conformance PS023 for details.  
 [4] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories.  
 [5] Used with optional mounting adaptor.

**Supplied Accessories**  
 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)  
 060A05 Clamp nut M7 x 0.75-6g thd (1)  
 065A02 Seal ring, sensor flush mount, 0.248" OD x 0.219" ID x 0.015" thk, brass (3)  
 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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