

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 15 %)	0.39 pC/psi	0.056 pC/kPa	
Measurement Range	15 kpsi	103,420 kPa	[1]
Maximum Pressure(Total)	15 kpsi	103,420 kPa	[1]
Resonant Frequency	≥ 500 kHz	≥ 500 kHz	
Rise Time(Reflected)	≤ 1.0 μ sec	≤ 1.0 μ sec	
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	[2]
<b>Environmental</b>			
Acceleration Sensitivity	0.002 psi/g	0.0014 kPa/(m/s <sup>2</sup> )	[3]
Temperature Range(Operating)	-100 to +400 °F	-73 to +204 °C	
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°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)	Negative	Negative	
Capacitance	12 pF	12 pF	[3]
Insulation Resistance(400 °F)	≥ 10 <sup>9</sup> Ohm	≥ 10 <sup>9</sup> Ohm	
Insulation Resistance(at room temp)	± 10 <sup>12</sup> Ohm	± 10 <sup>12</sup> Ohm	
<b>Physical</b>			
Sensing Element	Quartz	Quartz	
Sensing Geometry	Compression	Compression	
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	0.212 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>CA</b> - Ablative Coating		[1]
<b>E</b> - Emralon coating		[1]
Electrical Isolation	(Case) 10 <sup>8</sup> Ohm	(Case) 10 <sup>8</sup> Ohm
Coating	Emralon	Emralon
Temperature Range	-65 to 275 °F	-54 to 135 °C
Supplied Accessory: Model 065A08 Isolation ring 0.250" OD x 0.218" ID x 0.027" thk anodized aluminum (3) replaces Model 065A02		
Supplied Accessory: Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torlon or Vespel (3) replaces Model 065A02		
<b>J</b> - Ground Isolated		[1][5]
<b>P</b> - Positive Output Polarity		[1]
<b>S</b> - Stainless Steel Diaphragm	316L Stainless Steel	316L Stainless Steel
		[1][6]
<b>W</b> - Water Resistant Cable		[1][6]
<b>WM</b> - Water Resistant Cable		[1][6]

**NOTES:**

[1] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories and pressure limitations.

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

[3] Typical.

[4] See PCB Declaration of Conformance PS158 for details.

[5] Used with optional mounting adaptor.

[6] 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)

Model PCS-1BC Sensitivity calibration at following ranges: 15000 psi, 5000 psi, 100 psi

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All specifications are at room temperature unless otherwise specified.  
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