

	ENGLISH	SI
<b>Performance</b>		
Measurement Range(for ±5V output)	50 psi	345 kPa
Useful Overrange(for ± 10V output)	100 psi	690 kPa
Sensitivity(± 15 %)	100 mV/psi	14.5 mV/kPa
Maximum Pressure(step)	500 psi	3,450 kPa
Maximum Pressure(Total)	15,000 psi	103,421 kPa
Resolution	0.1 mpsi	0.000689 kPa
Resonant Frequency	≥ 250 kHz	≥ 250 kHz
Rise Time(Reflected)	≤ 2.0 μ sec	≤ 2.0 μ sec
Low Frequency Response(- 5 %)	0.50 Hz	0.50 Hz
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS
<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	≤ 0.06 %/°F	≤ 0.108 %/°C
Maximum Flash Temperature	3,000 °F	1,650 °C
Maximum Vibration	2,000 g pk	19,613 m/s <sup>2</sup> pk
Maximum Shock	20,000 g pk	196,133 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)	0.21 oz	6.0 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. [5]		
<b>E</b> - Emralon coating		
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>J</b> - Ground Isolated Electrical Isolation(50 V)	10 <sup>8</sup> Ohm	10 <sup>8</sup> Ohm
<b>N</b> - Negative Output Polarity		
<b>S</b> - Stainless Steel Diaphragm		
<b>W</b> - Water Resistant Cable		
Supplied Accessory: Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)		
<b>WM</b> - Water Resistant Cable		
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 value.

[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 and pressure limitations.

[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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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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