

	ENGLISH	SI	
Performance			
Sensitivity(± 15 %)	0.39 pC/psi	0.056 pC/kPa	
Measurement Range	15 kpsi	103,420 kPa	
Maximum Pressure	15 kpsi	103,420 kPa	
Resolution	10 mpsi	0.07 kPa	[2][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	[3]
Environmental			
Acceleration Sensitivity	≤ 0.002 psi/g	≤ 0.0014 kPa/(m/s ²)	
Temperature Range(Operating)	-400 to +400 °F	-240 to +204 °C	
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C	[1]
Maximum Flash Temperature	3000 °F	1649 °C	
Maximum Shock	20,000 g pk	196,140 m/s ² pk	
Electrical			
Output Polarity(Positive Pressure)	Negative	Negative	
Capacitance	12 pF	12 pF	[1]
Insulation Resistance(at room temp)	≥ 10 ¹² Ohm	≥ 10 ¹² Ohm	
Physical			
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	

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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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.			
E - Emralon coating			[4]
Coating	Emralon	Emralon	
Electrical Isolation(Case)	10 ⁸ Ohm	10 ⁸ Ohm	
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			
H - Hermetic Seal			[4]
Sealing	Welded Hermetic	Welded Hermetic	
J - Ground Isolated			[4][5]
P - Positive Output Polarity			
S - Stainless Steel Diaphragm			[4]
Diaphragm	316L Stainless Steel	316L Stainless Steel	
W - Water Resistant Cable			[4]

NOTES:
 [1] Typical.
 [2] Resolution dependent on range setting and cable length used in charge system.
 [3] Zero-based, least-squares, straight line method.
 [4] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories.
 [5] 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)

Entered: AP	Engineer: MJK	Sales: KWW	Approved: BAM	Spec Number:
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