

	ENGLISH	SI	
Performance			
Measurement Range	8.0 psi	55.1 kPa	
Sensitivity(± 15 %)	300 mV/psi	43.5 mV/kPa	
Maximum Pressure(step)	200 psi	1,379 kPa	
Maximum Pressure	2,000 psi	13,790 kPa	[1]
Resolution	0.0001 psi	0.00069 kPa	[1]
Resonant Frequency	≥ 60 kHz	≥ 60 kHz	
Rise Time	≤ 9 μ sec	≤ 9 μ sec	
Low Frequency Response(- 5 %)	0.5 Hz	0.5 Hz	
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[2]
Environmental			
Acceleration Sensitivity	0.002 psi/g	0.0014 kPa/(m/s ²)	[1]
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Coefficient of Sensitivity	≤ 0.05 %/°F	≤ 0.09 %/°C	
Maximum Flash Temperature	3,000 °F	1,649 °C	
Maximum Vibration	1,000 g pk	9,800 m/s ² pk	
Maximum Shock	2,000 g pk	19,600 m/s ² pk	
Electrical			
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant(at room temp)	≥ 1 sec	≥ 1 sec	
Excitation Voltage	12 to 30 VDC	12 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 100 Ohm	≤ 100 Ohm	
Output Bias Voltage	3 to 8 VDC	3 to 8 VDC	
Physical			
Sensing Geometry	Compression	Compression	
Sensing Element	Quartz	Quartz	
Housing Material	304/304L Stainless Steel	304/304L Stainless Steel	
Diaphragm	316L Stainless Steel	316L Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	0.63 oz	18.0 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. [4]

CA - Ablative Coating

E - Emralon coating
 Coating Emralon Emralon
 Electrical Isolation 10⁸ Ohm 10⁸ Ohm
 Optional Accessory: Model 065A47 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Acetal (3)

J - Ground Isolated
 Electrical Isolation(50 V) 10⁸ Ohm 10⁸ Ohm

T - TEDS Capable of Digital Memory and
 Communication Compliant with IEEE P1451.4
 Output Bias Voltage 3.7 to 8.7 VDC 3.7 to 8.7 VDC [5]

W - Water Resistant Cable
 Supplied Accessory: Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex (1) [5]

WM - Water Resistant Cable
 Supplied Accessory: Model 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1)

NOTES:

[1]Typical.
 [2]Zero-based, least-squares, straight line method.
 [3]See PCB Declaration of Conformance PS023 for details.
 [4]Used with optional mounting adaptor.
 [5]Clamp nut installed prior to cable attachment

SUPPLIED ACCESSORIES:

Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex (1)
 Model 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1)
 Model 065A37 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Brass (3)
 Model PCS-1 Calibration of dynamic pressure sensors at 100% full scale, max 15 kpsi range.
 Model PCS-17 Electrostatic Actuator (ESA) frequency response from 20 Hz to 50 kHz
 Model PCS-24 Sensor sensitivity calibration with Pistonphone

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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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