

Performance	ENGLISH	SI
Measurement Range (for ±2.5V output)	8.3 psi	57.2 kPa
Sensitivity (±15 %)	300 mV/psi	43.5 mV/kPa
Maximum Pressure (step)	200 psi	1379 kPa
Maximum Pressure Resolution	2 kpsi	13790 kPa
Resonant Frequency	0.1 mpsi	0.00069 kPa
Rise Time	≥60 kHz	≥60 kHz
Low Frequency Response (-5 %)	≤9 μ sec	≤9 μ sec
Non-Linearity	0.5 Hz	0.5 Hz
	≤1 % FS	≤1 % FS
Environmental		
Acceleration Sensitivity	≤0.002 psi/g	≤0.0014 kPa/(m/s ²)
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C
Temperature Coefficient of Sensitivity	≤0.05 %/°F	≤0.09 %/°C
Maximum Flash Temperature	3000 °F	1649 °C
Maximum Shock	2000 g pk	19600 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 standard model except where noted below. More than one option maybe used.)

E - Emralon coating
 Coating Emralon Emralon
 Electrical Isolation 10⁸ Ohm 10⁸ Ohm
 Supplied Accessory: Model 065A47 Seal ring, 0.497" OD x 0.437" ID x 0.025" thk, Delrin (for Models E116B and E106B)

J - Ground Isolated [4]

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

W - Water Resistant Cable [5]
 Supplied Accessory: Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex (for Models 106B and 116B)

WM - Water Resistant Cable [5]
 Supplied Accessory: Model 060A14 Metric clamp nut, M14 x 1.25-6G thd, 14 mm hex, stainless steel (for Models M106B and M116B)

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

- 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex (1)
- 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1)
- 065A37 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Brass (3)



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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Entered: BLS	Engineer: NJL	Sales: RWM	Approved: RPF	Spec Number:
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