

	ENGLISH	SI	
Performance			
Measurement Range (for ±5V output)	1 psi	6.89 kPa	
Sensitivity (±15 %)	5000 mV/psi	725 mV/kPa	
Maximum Pressure (Dynamic)	10 psi	68.9 kPa	
Maximum Pressure (static)	50 psi	345 kPa	
Resolution	0.02 mpsi	.00013 kPa	
Resonant Frequency	≥40 kHz	≥40 kHz	
Rise Time (Reflected)	≤12.5 μ sec	≤12.5 μ sec	
Low Frequency Response (-5 %)	2.5 Hz	2.5 Hz	
Non-Linearity	≤1 % FS	≤1 % FS	[1]
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	≤0.03 %/°F	≤0.054 %/°C	
Maximum Shock	1000 g pk	9807 m/s ² pk	
Electrical			
Output Polarity (Positive Pressure)	Positive	Positive	
Discharge Time Constant (at room temp)	≥0.2 sec	≥0.2 sec	
Excitation Voltage	24 to 27 VDC	24 to 27 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	<100 Ohm	<100 Ohm	
Output Bias Voltage	7 to 14 VDC	7 to 14 VDC	
Physical			
Sensing Geometry	Compression	Compression	
Sensing Element	Quartz	Quartz	
Housing Material	17-4 Stainless Steel	17-4 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	1.2 oz	35 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

J - Ground Isolated [3]

N - Negative Output Polarity

W - Water Resistant Cable [4]

Supplied Accessory: Model 060A11 Delrin clamp nut, 3/4-16-2A thd, 3/4" hex (for Model 106B50)

WM - Water Resistant Cable [4]

Supplied Accessory: Model 060A13 Metric Delrin clamp nut, M20 x 1.5-6G thd, 20 mm hex (for Model M106B50)

Notes

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

Supplied Accessories

- 060A11 Delrin clamp nut 3/4-16-2A thd 3/4" hex (1)
- 060A13 Metric Delrin clamp nut M20 x 1.5-6g thd 20 mm hex (1)
- 065A36 Seal, .687" OD x .625" ID x .060", Derlin (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: DMW	Engineer: NJL	Sales: KWW	Approved: ECB	Spec Number:
Date: 08/24/2010	Date: 08/24/2010	Date: 08/24/2010	Date: 08/24/2010	22933



3425 Walden Avenue
 Depew, NY 14043
 UNITED STATES
 Phone: 800-828-8840
 Fax: 716-684-0987
 E-mail: info@pcb.com
 Web site: www.pcb.com