

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Measurement Range(for ±5V output)	5 psi	35 kPa	
Useful Overrange	10 psi	69 kPa	[1]
Sensitivity(± 15 %)	1000 mV/psi	145 mV/kPa	
Maximum Pressure(step)	100 psi	690 kPa	
Maximum Pressure(static)	500 psi	3448 kPa	
Resolution	0.05m psi	.00034 kPa	
Resonant Frequency	≥ 40 kHz	≥ 40 kHz	
Rise Time	≤ 12 μ sec	≤ 12 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)	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C	
Maximum Flash Temperature	3000 °F	1649 °C	
Maximum Vibration	500 g pk	4903 m/s ² pk	
Maximum Shock	1000 g pk	9807 m/s ² pk	
Electrical			
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant(at room temp)	≥ 1 sec	≥ 1 sec	
Excitation Voltage	20 to 30 VDC	20 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	
Physical			
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	1.13 oz	32 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.		
E - Emralon coating		
Coating	Emralon	Emralon
Electrical Isolation	10 ⁸ Ohm	10 ⁸ Ohm
J - Ground Isolated		
N - Negative Output Polarity		
W - Water Resistant Cable		
Supplied Accessory : Model 060A11 Acetal clamp nut 3/4-16-2A thd 3/4" hex (1)		
WM - Water Resistant Cable		
Supplied Accessory : Model 060A13 Metric Acetal clamp nut M20 x 1.5-6g thd 20 mm hex (1)		

NOTES:
 [1]For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias.
 [2]Zero-based, least-squares, straight line method.
 [3]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 Model 060A11 Acetal clamp nut 3/4-16-2A thd 3/4" hex
 Model 060A13 Metric Acetal clamp nut M20 x 1.5-6g thd 20 mm hex (1)
 Model 065A36 Seal, .687" OD x .625" ID x .060", Derlin (3)

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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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Phone: 716-684-0001
 Fax: 716-684-0987
 E-Mail: info@pcb.com

3425 Walden Avenue, Depew, NY 14043