

**Performance**

	ENGLISH	SI	
Measurement Range (for ± 5V output)	50 psi	345 kPa	[1]
Useful Overrange (for ± 10V output)	100 psi	690 kPa	
Sensitivity (± 15 %)	100 mV/psi	14.5 mV/kPa	
Maximum Pressure	500 psi	3447 kPa	
Resolution	1 mpsi	0.007 kPa	
Resonant Frequency	≥ 250 kHz	≥ 250 kHz	
Rise Time	≤ 2 μ sec	≤ 2 μ sec	
Low Frequency Response (-5 %)	0.5 Hz	0.5 Hz	
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	[2]

**Environmental**

Acceleration Sensitivity	≤ 0.002 psi/g	≤ 0.0014 kPa/(m/s <sup>2</sup> )
Temperature Range (Operating)	-100 to +275 °F	-73 to +135 °C
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.05 %/°C
Maximum Flash Temperature	3000 °F	1650 °C
Maximum Shock	20,000 g pk	196,000 m/s <sup>2</sup> 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
Electrical Isolation	10 <sup>8</sup> ohm	10 <sup>8</sup> ohm

**Physical**

Sensing Geometry	Compression	Compression
Sensing Element	Quartz	Quartz
Housing Material	Stainless Steel	Stainless Steel
Diaphragm	Invar	Invar
Sealing	Hermetic	Hermetic
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack
Weight	0.39 oz	11.0 gm



[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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**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.

**CA** - Ablative Coating

**H** - Hermetic Seal

**M** - Metric Mount

Supplied Accessory : Model 065A42 Floating clamp nut and thread seal, M10 x 1.0 thd. (1) replaces Model 065B01

**N** - Negative Output Polarity

**S** - Stainless Steel Diaphragm

Diaphragm                      316L Stainless Steel                      316L Stainless Steel

**W** - Water Resistant Cable

**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 065B01 Floating clamp nut and thread seal 3/8-24 thd (1)

Entered: <i>BLS</i>	Engineer: <i>RF</i>	Sales: <i>DPC</i>	Approved: <i>MEM</i>	Spec Number:
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**PCB PIEZOTRONICS™**  
PRESSURE DIVISION

3425 Walden Avenue, Depew, NY 14043

Phone: 716-684-0001

Fax: 716-686-9129

E-Mail: [pressure@pcb.com](mailto:pressure@pcb.com)