


Performance	ENGLISH	SI	OPTIONAL VERSIONS	
Measurement Range (for $\pm 4.5V$ output)	30 kpsi	207,000 kPa	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Sensitivity ($\pm 15\%$)	0.15 mV/psi	0.022 mV/kPa	M - Metric Mount	
Maximum Pressure	50 kpsi	344,750 kPa	N - Negative Output Polarity	
Resolution	500 mpsi	3.5 kPa	W - Water Resistant Cable	
Resonant Frequency	≥ 250 kHz	≥ 250 kHz		
Rise Time (Reflected)	$\leq 2 \mu$ sec	$\leq 2 \mu$ sec		
Low Frequency Response (-5%)	0.002 Hz	0.002 Hz		
Non-Linearity	$\leq 2\%$ FS	$\leq 2\%$ FS		
Environmental				
Acceleration Sensitivity	≤ 0.05 psi/g	≤ 0.035 kPa/(m/s ²)		
Temperature Range (Operating)	-100 to +275 °F	-73 to +135 °C		
Temperature Coefficient of Sensitivity	$\leq 0.10\%$ /°F	$\leq 0.18\%$ /°C		
Maximum Vibration	2000 g pk	19,614 m/s ² pk		
Maximum Shock	20,000 g pk	196,140 m/s ² pk		
Electrical				
Output Polarity (Positive Pressure)	Positive	Positive		
Discharge Time Constant (at room temp)	≥ 250 sec	≥ 250 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 Geometry	Compression	Compression		
Sensing Element	Quartz	Quartz		
Housing Material	C-300	C-300		
Diaphragm	C-300	C-300		
Sealing	Welded Hermetic	Welded Hermetic		
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack		
Weight	0.48 oz	13.6 gm		
			NOTES:	
			[1] Zero-based, least-squares, straight line method.	
			[2] See PCB Declaration of Conformance PS023 for details.	
			SUPPLIED ACCESSORIES:	
			Model 065A06 Seal ring 0.318" OD x 0.250" ID x 0.010" thk 316L SS material (3)	
			Entered: <i>BLS</i>	Engineer: <i>NJL</i>
			Sales: <i>DPC</i>	Approved: <i>RF</i>
			Date: <i>4-4-05</i>	Date: <i>4/4/05</i>
			Date: <i>4/4/05</i>	Spec Number: <i>28544</i>
			 PCB PIEZOTRONICS™ PRESSURE DIVISION 3425 Walden Avenue, Depew, NY 14043	
			Phone: 716-684-0001 Fax: 716-686-9129 E-Mail: pressure@pcb.com	



[2]

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.

ICP® is a registered trademark of PCB Group, Inc.