

Performance	ENGLISH	SI	
Measurement Range(for ±1V output)	1 kpsi	6,895 kPa	
Sensitivity(± 15 %)	1 mV/psi	.145 mV/kPa	
Maximum Pressure	5 kpsi	34,474 kPa	
Resolution	8.5 mpsi	.059 kPa	[1]
Resonant Frequency	≥ 400 kHz	≥ 400 kHz	
Rise Time(Incident)	≤ 6.5 μ sec	≤ 6.5 μ sec	
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	[2]
Environmental			
Temperature Range(Operating)	-100 to +275 °F	-73 to +135 °C	
Temperature Coefficient of Sensitivity	≤ 0.05 %/°F	≤ 0.090 %/°C	
Electrical			
Discharge Time Constant(at room temp)	≥ 0.2 sec	≥ 0.2 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	Aluminum	Aluminum	
Diaphragm	Invar	Invar	
Sealing	Epoxy	Epoxy	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	12.5 oz	354 gm	[1]

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.

NOTES:
 [1]Typical.
 [2]Zero-based, least-squares, straight line method.
 [3]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 Model 085A43 Connector Protector (1)
 Model PCS-1 Calibration of pressure sensors up to 15k psi (except Series 113B50)

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PCB PIEZOTRONICS
 Phone: 716-684-0001
 Fax: 716-684-0987
 E-Mail: info@pcb.com
 3425 Walden Avenue, Depew, NY 14043



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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