

Performance	ENGLISH	SI	
Measurement Range(for ±1V output)	1 kpsi	6,895 kPa	
Sensitivity(± 15 %)	1 mV/psi	.145 mV/kPa	[1]
Maximum Pressure	5 kpsi	34,474 kPa	
Resolution	8.5 mpsi	.059 kPa	[2]
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	[3]
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	4-Pin	4-Pin	
Weight	16.1 oz	456 gm	[2]

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]Two identically spec'd elements spaced 10cm apart - see drawing #65310 for details. Individual calibration certs supplied for each channel.

[2]Typical.

[3]Zero-based, least-squares, straight line method.

[4]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model PCS-6AA Calibration of dynamic pressure sensors at 100% and 10% of sensor range; both elements

Entered: ND	Engineer: RPF	Sales: MV	Approved: RPF	Spec Number:
Date: 12/12/2024	Date: 12/12/2024	Date: 12/12/2024	Date: 12/12/2024	67325

PCB PIEZOTRONICS
AN AMPHENOL COMPANY

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