

Performance	ENGLISH	SI	
Measurement Range(for ±5V output)	1,000 psi	6,895 kPa	
Useful Overrange(for ± 10V output)	2,000 psi	13,790 kPa	[1]
Sensitivity(± 15 %)	5 mV/psi	0.73 mV/kPa	[2]
Maximum Pressure	15,000 psi	103,425 kPa	
Resolution	0.02 psi	0.14 kPa	[3]
Resonant Frequency	≥ 1,500 kHz	≥ 1,500 kHz	
Rise Time(Reflected)	≤ 0.2 μ sec	≤ 0.2 μ sec	
Low Frequency Response(- 5 %)	0.25 Hz	0.25 Hz	
Non-Linearity	≤ 2 % FS	≤ 2 % FS	[4]
Environmental			
Temperature Range(Operating)	-32 to +120 °F	-36 to +49 °C	
Maximum Flash Temperature	5,000 °F	2,760 °C	
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	Tourmaline	Tourmaline	
Housing Material	Stainless Steel	Stainless Steel	
Diaphragm	Epoxy	Epoxy	
Sealing	Epoxy	Epoxy	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	1.4 oz	39 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.

M - Metric Mount

NOTES:

[1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias.

[2] Calibrated as a system using (3 inch) type 003 cable and 402A series in-line amplifier.

[3] Typical.

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

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

SUPPLIED ACCESSORIES:

Model 061A30 Spanner Wrench, 2 Pin (1)
 Model PCS-6AB Calibration of dynamic pressure sensors at 100% and 10% of sensor range.

Entered: ND	Engineer: RPF	Sales: MV	Approved: RPF	Spec Number:
Date: 12/11/2024	Date: 12/11/2024	Date: 12/11/2024	Date: 12/11/2024	6616



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.

PCB PIEZOTRONICS
AN AMPHENOL COMPANY

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

3425 Walden Avenue, Depew, NY 14043