

Performance	ENGLISH	SI	
Measurement Range(for ±5V output)	25 kpsi	172,375 kPa	
Useful Overrange(for ± 10V output)	50,000 psi	344,750 kPa	[1]
Sensitivity(± 15 %)	0.2 mV/psi	0.029 mV/kPa	
Maximum Pressure	50,000 psi	344,750 kPa	
Resolution	0.5 psi	3.5 kPa	[2]
Resonant Frequency	≥ 1,000 kHz	≥ 1,000 kHz	
Rise Time(Reflected)	≤ 1.5 μ sec	≤ 1.5 μ sec	
Low Frequency Response(- 5 %)	1.7 Hz	1.7 Hz	
Non-Linearity	≤ 2.0 % FS	≤ 2.0 % FS	[3]
<b>Environmental</b>			
Temperature Range(Operating)	-10 to +100 °F	-23 to +37.8 °C	
Maximum Shock	20,000 g pk	196,140 m/s <sup>2</sup> pk	
<b>Electrical</b>			
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant(at room temp)	≥ 0.3 sec	≥ 0.3 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	
<b>Physical</b>			
Sensing Element	Tourmaline	Tourmaline	
Housing Material	Stainless Steel	Stainless Steel	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	0.75 oz	21.0 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.

**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] Typical.

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

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

**SUPPLIED ACCESSORIES:**

Model PCS-6AE Calibration of dynamic pressure sensors at 10% and 100% of sensor range up to a maximum of 20k psi

Entered: ND	Engineer: RPF	Sales: MV	Approved: RPF	Spec Number:
Date: 12/14/2024	Date: 12/14/2024	Date: 12/14/2024	Date: 12/14/2024	138-1250-80

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All specifications are at room temperature unless otherwise specified.  
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