



Model Number 106B52	ICP® PRESSURE SENSOR			Revision: C ECN #: 54898
Performance Measurement Range(for ±5V output) Sensitivity(± 15 %) Maximum Pressure(Dynamic) Maximum Pressure(static) Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(- 5 %) Non-Linearity	ENGLISH 1 psi 5,000 mV/psi 10 psi 50 psi 0.02 mpsi ≥ 40 kHz ≤ 12.5 μ sec 2.5 Hz ≤ 1 % FS	SI 6.89 kPa 725 mV/kPa 68.9 kPa 345 kPa .00013 kPa ≥ 40 kHz ≤ 12.5 μ sec 2.5 Hz ≤ 1 % FS		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. E - Emralon coating Coating Electrical Isolation Emralon 10 ⁸ Ohm Emralon 10 ⁸ Ohm [4] J - Ground Isolated Electrical Isolation(50 V) 10 ⁸ Ohm 10 ⁸ Ohm N - Negative Output Polarity [5] W - Water Resistant Cable Supplied Accessory: Model 060A11 Acetal clamp nut 3/4-16-2A thd 3/4" hex (1) [5] WM - Water Resistant Cable Supplied Accessory: Model 060A13 Metric Acetal clamp nut M20 x 1.5-6g thd 20 mm hex (1)
Environmental Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Vibration Maximum Shock	0.002 psi/g -65 to +250 °F ≤ 0.03 %/°F 500 g pk 1,000 g pk	0.0014 kPa/(m/s ²) -54 to +121 °C ≤ 0.054 %/°C 500 g pk 9,807 m/s ² pk	[1] [2]	
Electrical Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥ 0.2 sec 24 to 27 VDC 2 to 20 mA < 100 Ohm 7 to 14 VDC	Positive ≥ 0.2 sec 24 to 27 VDC 2 to 20 mA < 100 Ohm 7 to 14 VDC		
Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Compression Quartz 17-4 Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 1.2 oz	Compression Quartz 17-4 Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 35 gm		
NOTES: [1]Typical. [2]Zero-based, least-squares, straight line method. [3]See PCB Declaration of Conformance PS023 for details. [4]Used with optional mounting adaptor. [5]Clamp nut installed prior to cable attachment				
SUPPLIED ACCESSORIES: Model 060A11 Acetal clamp nut 3/4-16-2A thd 3/4" hex (1) Model 060A13 Metric Acetal clamp nut M20 x 1.5-6g thd 20 mm hex (1) Model 065A36 Seal, .687" OD x .625" ID x .060", Derlin (3) Model PCS-1 Calibration of dynamic pressure sensors at 100% full scale, max 15 kpsi range. Model PCS-24 Sensor sensitivity calibration with Pistonphone				
Entered: ND	Engineer: AJA	Sales: MV	Approved: RPF	Spec Number:
Date: 05/30/2024	Date: 05/30/2024	Date: 05/30/2024	Date: 05/30/2024	22933
  Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com AN AMPHENOL COMPANY 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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