



Model Number 111A26	ICP® PRESSURE SENSOR			Revision: K ECN #: 54949
Performance Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity(± 0.5 mV/psi) Maximum Pressure Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(- 5 %) Non-Linearity Environmental Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Vibration Maximum Shock Electrical Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	ENGLISH 500 psi 1,000 psi 10 mV/psi 5,000 psi 0.01 psi ≥ 400 kHz ≤ 1.5 μ sec 0.01 Hz ≤ 2.0 % FS 0.002 psi/g -100 to +275 °F ≤ 0.03 %/°F 2,000 g pk 20,000 g pk Positive ≥ 50 sec 20 to 30 VDC 2 to 20 mA ≤ 100 Ohm 8 to 14 VDC Compression Quartz 17-4 Stainless Steel Invar Welded Hermetic 10-32 Coaxial Jack 0.21 oz	SI 3,448 kPa 6,895 kPa 1.45 mV/kPa 34,475 kPa 0.07 kPa ≥ 400 kHz ≤ 1.5 μ sec 0.01 Hz ≤ 2.0 % FS 0.0014 kPa/(m/s ²) -73 to +135 °C ≤ .054 %/°C 19,600 m/s ² pk 196,000 m/s ² pk Positive ≥ 50 sec 20 to 30 VDC 2 to 20 mA ≤ 100 Ohm 8 to 14 VDC Compression Quartz 17-4 Stainless Steel Invar Welded Hermetic 10-32 Coaxial Jack 6 gm	[1] [2] [3] [2] [7]	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. CA - Ablative Coating [5] E - Emralon coating [6] Coating Emralon Emralon Electrical Isolation 10 ⁸ Ohm 10 ⁸ Ohm Supplied Accessory: Model 065A08 Isolation ring 0.250" OD x 0.218" ID x 0.027" thk anodized aluminum (3) Supplied Accessory: Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torlon or Vespel (3) [6] H - Hermetic Seal [6][5] Maximum Shock 20,000 g pk 196,133 Sealing Welded Hermetic Welded Hermetic J - Ground Isolated [6] Electrical Isolation(50 V) 10 ⁸ Ohm 10 ⁸ Ohm N - Negative Output Polarity [6] S - Stainless Steel Diaphragm [6][7] W - Water Resistant Cable [6][7] WM - Water Resistant Cable [6][7]
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. [5] Used with optional mounting adaptor. [6] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories and pressure limitations. [7] Clamp nut installed prior to cable attachment				
SUPPLIED ACCESSORIES: Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1) Model 060A05 Clamp nut M7 x 0.75-6g thd (1) Model 065A02 Seal ring, sensor flush mount, 0.248" OD x 0.219" ID x 0.015" thk, brass (3) Model 065A05 Seal sleeve sensor recess mount 0.248" OD x 0.221" ID x 0.240" thk 17-4 (1) Model PCS-1AZ Sensitivity calibration at 100% and 10% of sensor range				
Entered: ND	Engineer: AJA	Sales: RWM	Approved: RPF	Spec Number:
Date: 06/26/2024	Date: 06/26/2024	Date: 06/26/2024	Date: 06/26/2024	5714
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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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