

Model Number 101A04		PRESSURE SENSOR, ICP®		Revision: G ECN #: 53357											
Performance Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity(± 0.5 mV/psi) Maximum Pressure(static) Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(- 5 %) Non-Linearity Environmental Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Shock Electrical Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Electrical Isolation Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	ENGLISH		SI	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 Supplied Accessory: Model 065A40 Seal ring 0.435" OD x 0.397" ID x 0.030" thk brass (3) replaces Model 065A03 N - Negative Output Polarity S - Stainless Steel Diaphragm Diaphragm 316L Stainless Steel 316L Stainless Steel W - Water Resistant Cable											
	1,000 psi		6,895 kPa												
	2,000 psi		13,790 kPa			[1]									
	5.0 mV/psi		0.73 mV/kPa												
	10,000 psi		69,000 kPa												
	0.020 psi		0.138 kPa												
	≥ 400 kHz		≥ 400 kHz												
	≤ 1.5 μ sec		≤ 1.5 μ sec												
	0.005 Hz		0.005 Hz												
	≤ 2.0 % FS		≤ 2.0 % FS			[2]									
	≤ 0.002 psi/g		≤ 0.0014 kPa/(m/s³)												
	-100 to +275 °F		-73 to +135 °C												
	≤ 0.03 %/°F		≤ 0.054 %/°C												
	3,000 °F		1,650 °C												
	20,000 g pk		196,000 m/s² pk												
	Positive		Positive												
	≥ 100 sec		≥ 100 sec												
	20 to 30 VDC		20 to 30 VDC												
	2 to 20 mA		2 to 20 mA												
	≤ 100 Ohm		≤ 100 Ohm												
	8 to 14 VDC		8 to 14 VDC												
	10 ⁸ Ohm		10 ⁸ Ohm												
	Compression		Compression												
	Quartz		Quartz												
	Stainless Steel		Stainless Steel												
	Invar		Invar												
	Welded Hermetic		Welded Hermetic												
	10-32 Coaxial Jack		10-32 Coaxial Jack												
	0.44 oz		12.5 gm												
NOTES: [1]For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2]Zero-based, least-squares, straight line method. [3]See PCB Declaration of Conformance PS023 for details.															
SUPPLIED ACCESSORIES: Model 065A03 Seal ring 0.435" OD x 0.377" ID x 0.030" thk brass (3)															
CE [3]															
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 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.															