



Model Number 134A24	ICP® PRESSURE SENSOR			Revision: H ECN #: 18856
Performance	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 N - Negative Output Polarity
Measurement Range (for ± 5V output)	1 kpsi	6895 kPa		
Useful Overrange (for ± 10V output)	2 kpsi	13,790 kPa	[1]	
Sensitivity (± 15 %)	5 mV/psi	0.73 mV/kPa	[2]	
Maximum Pressure (static)	15 kpsi	103425 kPa		
Resolution	20 mpsi	0.14 kPa		
Resonant Frequency	≥ 1500 kHz	≥ 1500 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	[3]	
Environmental				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] Zero-based, least-squares, straight line method. [4] See PCB Declaration of Conformance PS023 for details.
Temperature Range (Operating)	+32 to +120 °F	0 to +49 °C		
Maximum Flash Temperature	5000 °F	2760 °C		
Electrical				SUPPLIED ACCESSORIES: Model 061A30 Spanner Wrench, 2 Pin (1) ICP® Pressure Sensor Specifications
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 ohms	≤ 100 ohms		
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		
				Entered: <i>BLS</i> Engineer: <i>KLG</i> Sales: <i>Jmm</i> Approved: <i>WSH</i> Spec Number:
				Date: <i>12-5-03</i> Date: <i>12/5/03</i> Date: <i>12/5/03</i> Date: <i>12/8/03</i> 6616
 PCB PIEZOTRONICS™ PRESSURE DIVISION 3425 Walden Avenue, Depew, NY 14043				Phone: 716-684-0001 Fax: 716-686-9129 E-Mail: pressure@pcb.com
<p>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 Group, Inc.</p>				



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