Model Number	ICP® PRESSURE SENSOR	Revision: H
134A24		ECN #: 18856

Performance	ENGLISH	SI	
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			
Temperature Range (Operating)	+32 to +120 °F	0 to +49 °C	
Maximum Flash Temperature	5000 °F	2760 °C	
Electrical			
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	

CE [4]

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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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

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.

SUPPLIED ACCESSORIES:

Model 061A30 Spanner Wrench, 2 Pin (1)

ICP® Pressure Sensor Specifications

Entered: BLS	Engineer: KLG	Sales: JMM	Approved: WSH	Spec Number:
Date: 12-5-03	Date: 12/5/03	Date: 12/5/03	Date: 12/8/03	6616

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