

Model Number

132A37

## ICP® PRESSURE SENSOR

Revision: G

ECN #: 19746

**Performance**

	ENGLISH	SI	
Measurement Range	50 psi	345 kPa	
Sensitivity (± 30 %)	140 mV/psi	20.3 mV/kPa	
Maximum Pressure (step)	800 psi	5515 kPa	
Resolution	1 mpsi	0.007 kPa	
Resonant Frequency	≥ 1000 kHz	≥ 1000 kHz	[1]
Rise Time (Incident)	≤ 3 μ sec	≤ 3 μ sec	
Rise Time (Reflected)	≤ 0.5 μ sec	≤ 0.5 μ sec	
Low Frequency Response (-5 %)	11 kHz	11 kHz	

**Environmental**

Temperature Range (Operating)	0 to +175 °F	-18 to +79 °C	
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**Electrical**

Output Polarity (Positive Pressure)	Positive	Positive	
Discharge Time Constant (at room temp)	≥ .000045 sec	≥ .000045 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	Ceramic	Ceramic	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Epoxy	Epoxy	
Electrical Connector	pigtail ends	pigtail ends	
Weight	0.056 oz	1.59 gm	

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

**W** - Water Resistant Cable

**NOTES:**

[1] Rise time in air at Mach 1

**SUPPLIED ACCESSORIES:**

Model 160-0238-00 O-RING 2-006 0.1250 0.2500 0.0625 BUNA (3)

**ICP® Pressure Sensor Specifications**

Entered: <i>BJS</i>	Engineer: <i>RF</i>	Sales: <i>DPC</i>	Approved: <i>MEM</i>	Spec Number:
Date: <i>4/27/04</i>	Date: <i>4/27/04</i>	Date: <i>4/28/04</i>	Date: <i>4/28/04</i>	<b>2970</b>

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