

ICP® PRESSURE SENSOR

Performance Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity(± 15 %) Maximum Pressure Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(-5 %) Non-Linearity Environmental Temperature Range(Operating) 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 Element Housing Material Electrical Connector Weight	ENGLISH 25 kpsi 50 kpsi 0.2 mV/psi 50 kpsi 500 mpsi ≥ 1000 kHz ≤ 1.5 μ sec 2.5 Hz ≤ 2.0 % FS 0 to +100 °F 20,000 g pk Positive ≥ 0.2 sec 20 to 30 VDC 2 to 20 mA ≤ 100 ohm 8 to 14 VDC Tourmaline Stainless Steel 10-32 Coaxial Jack 0.61 oz	SI 172,375 kPa 344,750 kPa 0.029 mV/kPa 344,750 kPa 3.5 kPa ≥ 1000 kHz ≤ 1.5 μ sec 2.5 Hz ≤ 2.0 % FS -17.8 to +37.8 °C 196,140 m/s ² pk Positive ≥ 0.2 sec 20 to 30 VDC 2 to 20 mA ≤ 100 ohm 8 to 14 VDC Tourmaline Stainless Steel 10-32 Coaxial Jack 17.0 gm
	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. N - Negative Output Polarity W - Water Resistant Cable	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.

Entered: DLS	Engineer: RF	Sales: RWH	Approved: BH	Spec Number:
Date: 7/16/08	Date: 7/16/08	Date: 7/16/08	Date: 7/16/08	7253



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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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