

| | ENGLISH | SI | |
|---------------------------------------|--------------------|-----------------------------|-----|
| Performance | | | |
| Measurement Range(for ±5V output) | 5 kpsi | 34,475 kPa | |
| Useful Overrange(for ± 10V output) | 10 kpsi | 68,950 kPa | [1] |
| Sensitivity(± 15 %) | 1.0 mV/psi | 0.15 mV/kPa | |
| Maximum Pressure | 50 kpsi | 344,750 kPa | |
| Resolution | 100 mpsi | 0.07 kPa | [2] |
| Resonant Frequency | ≥ 1000 kHz | ≥ 1000 kHz | |
| Rise Time(Reflected) | ≤ 1.5 μ sec | ≤ 1.5 μ sec | |
| Low Frequency Response(-5 %) | 2.5 Hz | 2.5 Hz | |
| Non-Linearity | ≤ 2.0 % FS | ≤ 2.0 % FS | [3] |
| Environmental | | | |
| Temperature Range(Operating) | 0 to +100 °F | -17.8 to +37.8 °C | |
| Maximum Shock | 20,000 g pk | 196,140 m/s ² pk | |
| Electrical | | | |
| Output Polarity(Positive Pressure) | Positive | Positive | |
| Discharge Time Constant(at room temp) | ≥ 0.2 sec | ≥ 0.2 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 ohm | ≤ 100 ohm | |
| Output Bias Voltage | 8 to 14 VDC | 8 to 14 VDC | |
| Physical | | | |
| Sensing Element | Tourmaline | Tourmaline | |
| Housing Material | Stainless Steel | Stainless Steel | |
| Electrical Connector | 10-32 Coaxial Jack | 10-32 Coaxial Jack | |
| Weight | 0.75 oz | 21.0 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.



[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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|---------------|---------------|---------------|---------------|--------------------|
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