

| | ENGLISH | SI | |
|--|----------------------|----------------------------------|-----|
| Performance | | | |
| Measurement Range(for ±5V output) | 250 psi | 1724 kPa | |
| Useful Overrange(for ± 10V output) | 500 psi | 3448 kPa | [2] |
| Sensitivity(± 15 %) | 20 mV/psi | 2.90 mV/kPa | |
| Maximum Pressure | 5 kpsi | 34,475 kPa | |
| Resolution | 5 mpsi | 0.034 kPa | [3] |
| Resonant Frequency | ≥ 25 kHz | ≥ 25 kHz | [4] |
| Rise Time(Reflected) | ≤ 20 μ sec | ≤ 20 μ sec | [4] |
| Low Frequency Response(-5 %) | 0.50 Hz | 0.50 Hz | |
| Non-Linearity | ≤ 1.0 % FS | ≤ 1.0 % FS | [5] |
| Environmental | | | |
| Acceleration Sensitivity | ≤ 0.002 psi/g | ≤ 0.0014 kPa/(m/s ²) | |
| Temperature Range(Operating) | -100 to +250 °F | -73 to +121 °C | [1] |
| Temperature Coefficient of Sensitivity | ≤ 0.03 %/°F | ≤ 0.054 %/°C | |
| Maximum Flash Temperature | 10,000 °F | 5538 °C | |
| Maximum Shock | 10,000 g pk | 98,070 m/s ² pk | |
| Electrical | | | |
| Output Polarity(Positive Pressure) | Positive | Positive | |
| Discharge Time Constant(at room temp) | ≥ 1.0 sec | ≥ 1.0 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 | | | |
| Housing Material | 17-4 Stainless Steel | 17-4 Stainless Steel | |
| Diaphragm | Invar | Invar | |
| Sealing | Epoxy | Epoxy | |
| Electrical Connector | Integral Cable | Integral Cable | |
| Weight | 4.23 oz | 120 gm | |
| Helium Flow Rate(at 1,500 psi) | 40 scf/hr | 1.13 m ³ /hr | |
| Cable Length | 4 ft | 1.2 m | |
| Water Flow Rate(at 50 psi) | 1.2 gal/min | 4.5 L/min | |

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.

NOTES:

[1] Applies to internal amplifier, not to external housing.
 [2] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias.
 [3] Typical.
 [4] With helium flow.
 [5] Zero-based, least-squares, straight line method.
 [6] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 065A15 Seal, .624" OD x .553" ID x .080", brass (3)
 Model 070A08 Cable adaptor (micro 10-32 jack to BNC jack) (1)

| | | | | |
|---------------|---------------|---------------|---------------|--------------------|
| Entered: BLS | Engineer: RF | Sales: RWM | Approved: BM | Spec Number: |
| Date: 7/16/08 | Date: 7/16/08 | Date: 7/16/08 | Date: 7/16/08 | 123-1210-80 |



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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