

|  | ENGLISH                     | SI                               |
|--|-----------------------------|----------------------------------|
| <b>Performance</b>                     |                             |                                  |
| Measurement Range(for ±5V output)      | 100 psi                     | 690 kPa                          |
| Useful Overrange(for ± 10V output)     | 200 psi                     | 1,379 kPa                        |
| Sensitivity(± 20 %)                    | 50 mV/psi                   | 7.3 mV/kPa                       |
| Maximum Pressure(step)                 | 1 kpsi                      | 6,900 kPa                        |
| Maximum Pressure(Total)                | 15,000 psi                  | 103,421 kPa                      |
| Resolution                             | 0.4 mpsi                    | 0.0028 kPa                       |
| Resonant Frequency                     | ≥ 250 kHz                   | ≥ 250 kHz                        |
| Rise Time(Reflected)                   | ≤ 2.0 μ sec                 | ≤ 2.0 μ sec                      |
| Low Frequency Response(- 5 %)          | 0.5 Hz                      | 0.5 Hz                           |
| Non-Linearity                          | ≤ 1.0 % FS                  | ≤ 1.0 % FS                       |
| <b>Environmental</b>                   |                             |                                  |
| Acceleration Sensitivity               | ≤ 0.002 psi/g               | ≤ 0.0014 kPa/(m/s <sup>2</sup> ) |
| Temperature Range(Operating)           | -100 to +275 °F             | -73 to +135 °C                   |
| Temperature Coefficient of Sensitivity | ≤ 0.03 %/°F                 | ≤ 0.05 %/°C                      |
| Maximum Flash Temperature              | 3,000 °F                    | 1,650 °C                         |
| Maximum Vibration                      | 2,000 g pk                  | 19,613 m/s <sup>2</sup> pk       |
| Maximum Shock                          | 20,000 g pk                 | 196,133 m/s <sup>2</sup> pk      |
| <b>Electrical</b>                      |                             |                                  |
| 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                      |
| Electrical Isolation                   | ≥ 10 <sup>8</sup> Ohm       | ≥ 10 <sup>8</sup> Ohm            |
| <b>Physical</b>                        |                             |                                  |
| Sensing Geometry                       | Compression                 | Compression                      |
| Sensing Element                        | Quartz                      | Quartz                           |
| Housing Material                       | 17-4 / 304L Stainless Steel | 17-4 / 304L Stainless Steel      |
| Thread Adaptor Material                | 17-4 Stainless Steel        | 17-4 Stainless Steel             |
| Diaphragm                              | Invar                       | Invar                            |
| Sealing                                | Welded Hermetic             | Welded Hermetic                  |
| Electrical Connector                   | 10-32 Coaxial Jack          | 10-32 Coaxial Jack               |
| Weight                                 | 0.39 oz                     | 11.0 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.

**CA** - Ablative Coating

**M** - Metric Mount  
Supplied Accessory: Model 065A42 Floating clamp nut and thread seal, M10 x 1.0 thd. (1) replaces Model 065B01

**N** - Negative Output Polarity

|  |                      |                      |
|--|----------------------|----------------------|
| <b>S</b> - Stainless Steel Diaphragm Diaphragm | 316L Stainless Steel | 316L Stainless Steel |
|--|----------------------|----------------------|

**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 value.

[3] Zero-based, least-squares, straight line method.

[4] See PCB Declaration of Conformance PS023 for details.

**SUPPLIED ACCESSORIES:**

Model 065B01 Floating clamp nut and thread seal 3/8-24 thd (1)

|                  |                  |                  |                  |              |
|------------------|------------------|------------------|------------------|--------------|
| Entered: ND      | Engineer: AK     | Sales: RWM       | Approved: RPF    | Spec Number: |
| Date: 01/23/2023 | Date: 01/23/2023 | Date: 01/23/2023 | Date: 01/23/2023 | 6371         |

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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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