| Model Number 213B | | Revision: F<br>ECN #: 50221 |
|---|---|---|

| Performance | ENGLISH | SI | |
|---|---|---|---|
| Sensitivity(± 15 %) | 18 pC/lb | 4,047 pC/kN | |
| Measurement Range(Compression) | ≤ 20,000 lb | ≤ 88.96 kN | |
| Maximum Static Force(Compression) | 25,000 lb | 111.2 kN | |
| Upper Frequency Limit | 60,000 Hz | 60,000 Hz | [1][2] |
| Non-Linearity | ≤ 1 % FS | ≤ 1 % FS | [3] |
| **Environmental** | | | |
| Temperature Range | -100 to +400 °F | -73 to +204 °C | |
| Temperature Coefficient of Sensitivity | ≤ 0.05 %/°F | ≤ 0.09 %/°C | |
| **Electrical** | | | |
| Capacitance | 27 pF | 27 pF | [4] |
| Insulation Resistance | ≥ 1E12 | ≥ 1E12 | |
| Output Polarity(Compression) | Negative | Negative | |
| **Physical** | | | |
| Preload | 4,000 lb | 17.793 kN | |
| Stiffness | 23 lb/µin | 4 kN/µm | [4] |
| Size (Diameter x Height x Bolt Diameter x Sensing Surface) | 1.10 in x 0.430 in x 1/2 in x 0.888 in | 27.9 mm x 10.9 mm x 12 mm x 22.6 mm | |
| Size - ID(Hole Diameter) | 0.520 in | 13.2 mm | |
| Size - OD(Sensor) | 1.10 in | 27.9 mm | |
| Weight | 1.3 oz | 38 gm | |
| Housing Material | Stainless Steel | Stainless Steel | |
| Sealing | Hermetic | Hermetic | |
| Electrical Connector | 10-32 Coaxial Jack | 10-32 Coaxial Jack | |
| Electrical Connection Position | Side | Side | |

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
Supplied Accessory: Model 080A82 Assembly Lubricant
Supplied Accessory: Model 082B03 Anti-friction washer (for Models 203B and 213B)
Supplied Accessory: Model M081A13 Mounting Stud, M10 x 1.00 x 1.100, BeCu
Supplied Accessory: Model M083B03 Pilot Bushing

**P** - Positive Output Polarity

| | | |
|---|---|---|
| Output Polarity(Compression) | Positive | Positive |

**W** - Water Resistant Cable

| | | |
|---|---|---|
| Electrical Connector | Molded Integral Cable | Molded Integral Cable |
| Electrical Connection Position | Side | Side |

## NOTES:

[1]Estimated using rigid body dynamics calculations.
[2]Low frequency response and system noise dependent on choice of external signal conditioning electronics.
[3]Zero-based, least-squares, straight line method.
[4]Typical.

## SUPPLIED ACCESSORIES:

Model 080A82 Assembly Lubricant
Model 081A13 Mounting Stud, 3/8-24 x 1.100, BeCu
Model 082B03 Anti-friction washer (for Models 203B and 213B)
Model 083B03 Pilot bushing (for Models 203B and 213B)

| Entered: RB | Engineer: RPF | Sales: RWM | Approved: RPF | Spec Number: |
|---|---|---|---|---|
| Date: 01/28/2020 | Date: 01/28/2020 | Date: 01/28/2020 | Date: 01/28/2020 | 1143 |

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