

| Performance                                   | ENGLISH               | SI                    |     | Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) |
|---|-----------------------|-----------------------|-----|---|
| Sensitivity (±15 %) (x or y axis)             | 32 pC/lb              | 7.19 pC/N             | [2] | <b>M</b> - Metric Mount<br><b>W</b> - Water Resistant Cable<br>Electrical Connection Position                      Side                      Side                           |
| Sensitivity (±15 %) (z axis)                  | 15 pC/lb              | 3.37 pC/N             | [2] |   |
| Measurement Range (z axis)                    | 1000 lb               | 4.45 kN               |     |   |
| Measurement Range (x or y axis)               | 1000 lb               | 4.45 kN               |     |   |
| Maximum Force (z axis)                        | 1320 lb               | 5.87 kN               |     |   |
| Maximum Force (x or y axis)                   | 1000 lb               | 4.45 kN               |     |   |
| Maximum Moment (z axis)                       | 40 ft-lb              | 54.23 Nm              |     |   |
| Maximum Moment (x or y axis)                  | 70 ft-lb              | 94.91 Nm              |     |   |
| Upper Frequency Limit                         | 10 kHz                | 10 kHz                |     |   |
| Non-Linearity                                 | ≤1 % FS               | ≤1 % FS               | [3] |   |
| Cross Talk (between x and y axis)             | ±3 %                  | ±3 %                  |     |   |
| Cross Talk (between (x or y axis) and z axis) | ±5 %                  | ±5 %                  |     |   |
| <b>Environmental</b>                          |                       |                       |     |   |
| Temperature Range                             | -100 to +350 °F       | -73 to +177 °C        |     |   |
| <b>Electrical</b>                             |                       |                       |     |   |
| Capacitance (all channels)                    | 30 pF                 | 30 pF                 | [1] |   |
| Insulation Resistance (all channels)          | ≥10 <sup>12</sup> Ohm | ≥10 <sup>12</sup> Ohm |     |   |
| Output Polarity (in direction of markings)    | Negative              | Negative              |     |   |
| <b>Physical</b>                               |                       |                       |     |   |
| Stiffness (z axis)                            | 19 lb/μin             | 3.3 kN/μm             | [1] |   |
| Stiffness (x or y axis)                       | 6 lb/μin              | 1 kN/μm               | [1] |   |
| Weight  | 34.40 oz              | 975 gm                |     |   |
| Housing Material                              | Stainless Steel       | Stainless Steel       |     |   |
| Sealing                                       | Hermetic              | Hermetic              |     |   |
| Electrical Connector (Quantity, 3)            | 10-32 Coaxial Jack    | 10-32 Coaxial Jack    |     |   |
| Electrical Connection Position                | Side                  | Side                  |     |   |

- Notes**  
 [1] Typical.  
 [2] Sensitivities are for listed preload. Sensitivities may vary ±5% depending on preload used.  
 [3] Zero-based, least-squares, straight line method.

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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|---------------------|---------------------|---------------------|---------------------|--------------|
| Entered: DMW        | Engineer: MJK       | Sales: KWW          | Approved: ECB       | Spec Number: |
| Date:<br>08/17/2010 | Date:<br>08/17/2010 | Date:<br>08/17/2010 | Date:<br>08/17/2010 | <b>33975</b> |



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