

| Performance                                  | ENGLISH                | SI                     |        |
|--|------------------------|------------------------|--------|
| Sensitivity(± 15 %)(Z Axis)                  | 15 pC/lb               | 3.37 pC/N              |        |
| Sensitivity(± 15 %)(X or Y Axis)             | 32 pC/lb               | 7.19 pC/N              |        |
| Measurement Range(Z Axis)                    | 1,000 lb               | 4.45 kN                |        |
| Measurement Range(X or Y Axis)               | 1,000 lb               | 4.45 kN                |        |
| Maximum Force(Z Axis)                        | 1,320 lb               | 5.87 kN                |        |
| Maximum Force(X or Y Axis)                   | 1,100 lb               | 4.89 kN                |        |
| Maximum Moment(Z Axis)                       | 40 ft-lb               | 54.2 Nm                |        |
| Maximum Moment(X or Y Axis)                  | 70 ft-lb               | 94.9 Nm                |        |
| Non-Linearity                                | ≤ 1 % FS               | ≤ 1 % FS               | [1]    |
| 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                  | [2]    |
| Insulation Resistance(all channels)          | ≥ 10 <sup>12</sup> Ohm | ≥ 10 <sup>12</sup> Ohm |        |
| Output Polarity(in direction of markings)    | Negative               | Negative               |        |
| Electrical Isolation                         | ≥ 10 <sup>8</sup> Ohm  | ≥ 10 <sup>8</sup> Ohm  |        |
| <b>Physical</b>                              |                        |                        |        |
| Stiffness(X or Y Axis)                       | 2.9 lb/μin             | 510 N/μm               | [2]    |
| Stiffness(Z Axis)                            | 7.2 lb/μin             | 1,260 N/μm             | [2]    |
| Stiffness(RX or RY )                         | 2.8 E6 lbf*in/radian   | 3.2 E5 N*m/radian      | [2][3] |
| Stiffness(RZ)                                | 9.4 E5 lbf*in/radian   | 1.1 E5 N*m/radian      | [2][3] |
| Coupled Stiffness(X-RY or Y-RX)              | 2.5 lbf*in/μin         | 11 N*m/μm              | [2][3] |
| 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                   |        |

**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

**W** - Water Resistant Cable

**NOTES:**

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

[2]Typical.

[3]See PCB White Paper WPL\_88\_1121 for details.

[4]See PCB Declaration of Conformance PS158 for details.



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.

|                  |                  |                  |                  |              |
|------------------|------------------|------------------|------------------|--------------|
| Entered: ND      | Engineer: EB     | Sales: BS        | Approved: RPF    | Spec Number: |
| Date: 11/23/2022 | Date: 11/23/2022 | Date: 11/23/2022 | Date: 11/23/2022 | 76704        |

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