

	ENGLISH	SI	
<b>Performance</b>			
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)	1,100 lb	4.45 kN	
Maximum Force(Z Axis)	1,320 lb	5.87 kN	
Maximum Force(X or Y Axis)	1,000 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:
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