

Performance	ENGLISH	SI	
Sensitivity(± 10 %)(Z Axis)	15 pC/lb	3.37 pC/N	
Sensitivity(± 10 %)(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)	500 lb	2.22 kN	
Maximum Force(Z Axis)	1,320 lb	5.87 kN	
Maximum Force(X or Y Axis)	660 lb	2.94 kN	
Maximum Moment(Z Axis)	14 ft-lb	19.0 Nm	
Maximum Moment(X or Y Axis)	13 ft-lb	17.6 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 %	
Environmental			
Temperature Range	-100 to +350 °F	-73 to +177 °C	
Electrical			
Capacitance(all channels)	18 pF	18 pF	[2]
Insulation Resistance(all channels)	≥ 10 ¹² Ohm	≥ 10 ¹² Ohm	
Output Polarity(in direction of markings)	Negative	Negative	
Electrical Isolation	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm	
Physical			
Stiffness(X or Y Axis)	1.9 lb/μin	330 N/μm	[2]
Stiffness(Z Axis)	4.9 lb/μin	860 N/μm	[2]
Stiffness(RX or RY Axis)	7.5E5 lbf*in/radian	8.5E4 N*m/radian	[2][3]
Stiffness(RZ Axis)	3.4E5 lbf*in/radian	3.8E4 N*m/radian	[2][3]
Coupled Stiffness(X-RY or Y-RX Axis)	1.0 lbf*in/μin	4.4 N*m/μm	[2][3]
Weight	13.60 oz	386 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 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: DPC	Approved: RPF	Spec Number:
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