

Performance	ENGLISH	SI	
Sensitivity(± 20 %)(z axis)	2.5 mV/lb	0.56 mV/N	[1]
Sensitivity(± 20 %)(x or y axis)	5 mV/lb	1.12 mV/N	[1]
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 N-m	
Maximum Moment(x or y axis)	70 ft-lb	94.91 N-m	
Broadband Resolution(x or y axis)	0.006 lb-rms	0.027 N-rms	[2]
Broadband Resolution(z axis)	0.006 lb-rms	0.027 N-rms	[2]
Upper Frequency Limit	10 kHz	10 kHz	
Low Frequency Response(-5 %)(z-axis)	0.01 Hz	0.01 Hz	
Low Frequency Response(-5 %)(x or y axis)	0.001 Hz	0.001 Hz	
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 %	
Environmental			
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Electrical			
Full Scale Output(Z Direction)	± 2.5 VDC	± 2.5 VDC	
Full Scale Output(X and Y Direction)	± 5 VDC	± 5 VDC	
Discharge Time Constant(z axis)	≥ 50 sec	≥ 50 sec	
Discharge Time Constant(x or y axis)	≥ 500 sec	≥ 500 sec	
Excitation Voltage(all channels)	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation(all channels)	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 100 ohm	≤ 100 ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Output Polarity	Positive	Positive	
Physical			
Stiffness(z axis)	19 lb/μin	3.3 kN/μm	[2]
Stiffness(x or y axis)	6 lb/μin	1 kN/μm	[2]
Weight	34.40 oz	975 gm	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Hermetic	Hermetic	
Electrical Connector	4-Pin	4-Pin	
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

Electrical Connection Position Side Side

NOTES:

[1] Sensitivities are for listed preload. Sensitivities may vary ±5% depending on preload used.

[2] Typical.

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

[4] See PCB Declaration of Conformance PS023 for details.

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Entered: DMW	Engineer: MJK	Sales: KWW	Approved: EB	Spec Number:
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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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FORCE / TORQUE DIVISION

3425 Walden Avenue, Depew, NY 14043

Phone: 716-684-0001

Fax: 716-684-8877

E-Mail: force@pcb.com