

Model Number 260B12	3-COMPONENT CHARGE OUTPUT FORCE SENSOR				Revision: NR ECN #: 55942
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 15 %)(Z Axis)		15 pC/lb	3.37 pC/N	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. W - Water Resistant Cable	
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)		1,000 lb	4.45 kN		
Maximum Moment(Z Axis)		58 ft-lb	78.6 Nm		
Maximum Moment(X or Y Axis)		96 ft-lb	130.2 Nm		
Non-Linearity		≤ 1 % FS	≤ 1 % FS		
Cross Talk(between X and Y Axis)		± 3 %	± 3 %		
Cross Talk(between (X or Y Axis) and Z Axis)		± 5 %	± 5 %	NOTES: [1]Sensitivities are dependent upon supplied bolt. [2]Zero-based, least-squares, straight line method. [3]Typical. [4]Preload should be at least 10 times the X and Y operating range used. [5]See PCB White Paper WPL_88_1121 for details. [6]See PCB Declaration of Conformance PS158 for details.	
Environmental					
Temperature Range		-100 to +350 °F	-73 to +177 °C		
Electrical					
Capacitance(all channels)		30 pF	30 pF		
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					
Preload		≤ 10,000 lb	≤ 44.48 kN		
Stiffness(X or Y Axis)		3.4 lb/μin	602 N/μm	SUPPLIED ACCESSORIES: Model 081A74 Pre-load bolt (1) Model 082M12 Anti-friction washer (1) Model 083A13 Pilot bushing (1) Model M081A74 Mounting Stud (1)	
Stiffness(Z Axis)		16.5 lb/μin	2,886 N/μm		
Stiffness(RX or RY Axis)		1.3E6 lbf*in/radian	1.4E5 N*m/radian		
Stiffness(RZ Axis)		1.5E6 lbf*in/radian	1.7E5 N*m/radian		
Coupled Stiffness(X-RY or Y-RX Axis)		0.4 lbf*in/μin	1.8 N*m/μm		
Weight		1.453 oz	41.20 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		
 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.					 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043
Entered: ND	Engineer: EB	Sales: BS	Approved: RPF	Spec Number:	
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