

Model Number 260B11		3-COMPONENT CHARGE OUTPUT FORCE SENSOR			Revision: NR ECN #: 55753	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 15 %)(Z Axis)		15 pC/lb	3.37 pC/N	[1]	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	[1]		
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)		16 ft-lb	21.7 Nm			
Maximum Moment(X or Y Axis)		37 ft-lb	50.2 Nm			
Non-Linearity		≤ 1 % FS	≤ 1 % FS	[2]		
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	[3]		
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		≤ 5,000 lb	≤ 22.24 kN	[4]		
Stiffness(X or Y Axis)		2.5 lb/μin	440 N/μm	[3][5]		
Stiffness(Z Axis)		10.0 lb/μin	1,755 N/μm	[3][5]		
Stiffness(RX or RY Axis)		4.1E5 lbf*in/radian	4.6E4 N*m/radian	[3][5]		
Stiffness(RZ Axis)		4.7E5 lbf*in/radian	5.3E4 N*m/radian	[3][5]		
Coupled Stiffness		0.3 lbf*in/μin	1.3 N*m/μm	[3][5]		
Weight		0.850 oz	24.10 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			
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.						
SUPPLIED ACCESSORIES: Model 081A70 Mounting Stud (1) Model 082B02 Anti-Friction Washer (1) Model 083A10 Pilot Bushing (1) Model M081A70 Mounting Stud (1)						
Entered: ND		Engineer: EB		Sales: BS		Approved: RPF
Date: 07/11/2025		Date: 07/11/2025		Date: 07/11/2025		Date: 07/11/2025
						78391
		 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com AN AMPHENOL COMPANY				
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.		3425 Walden Avenue, Depew, NY 14043				