

Model Number 261A11	3-COMPONENT CHARGE OUTPUT FORCE SENSOR				Revision: B ECN #: 43712
Performance	ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 15 %)(z axis)	15 pC/lb	3.37 pC/N	[2]	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	
Sensitivity(± 15 %)(x or y axis)	32 pC/lb	7.19 pC/N	[2]		
Measurement Range(z axis)	1000 lb	4.45 kN			
Measurement Range(x or y axis)	500 lb	2.22 kN			
Maximum Force(z axis)	1320 lb	5.87 kN			
Maximum Force(x or y axis)	660 lb	2.94 kN			
Maximum Moment(z axis)	14 ft-lb	18.98 Nm			
Maximum Moment(x or y axis)	13 ft-lb	17.63 Nm			
Upper Frequency Limit	10,000 Hz	10,000 Hz			
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[3]		
Cross Talk(between x and y axis)	± 3 %	± 3 %		NOTES: [1]Typical. [2]Sensitivites are for listed preload. Sensitivites may vary ±5% depending on preload used. [3]Zero-based, least-squares, straight line method.	
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	[1]		
Insulation Resistance(all channels)	≥ 10 ¹² Ohm	≥ 10 ¹² Ohm			
Output Polarity(in direction of markings)	Negative	Negative			
Physical					
Stiffness(z axis)	10 lb/μin	1.75 kN/μm	[1]		
Stiffness(x or y axis)	4 lb/μin	0.7 kN/μm	[1]		
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			
<i>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. ICP® is a registered trademark of PCB Group, Inc.</i>				Entered: AP	Engineer: MJK
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