

Model Number <b>261A13</b>	<b>3-COMPONENT CHARGE OUTPUT FORCE SENSOR</b>	Revision: E ECN #: 48697
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	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Sensitivity(± 15 %)(Z Axis)	15 pC/lb	3.37 pC/N	[2]
Sensitivity(± 15 %)(X or Y Axis)	32 pC/lb	7.19 pC/N	[2]
Measurement Range(Z Axis)	10,000 lb	44.48 kN	
Measurement Range(X or Y Axis)	4000 lb	17.7 kN	
Maximum Force(z axis)	11,000 lb	48.93 kN	
Maximum Force(x or y axis)	4400 lb	19.57 kN	
Maximum Moment(z axis)	240 ft-lb	325.4 Nm	
Maximum Moment(x or y axis)	325 ft-lb	440.7 Nm	
Upper Frequency Limit	10 kHz	10 kHz	
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 %	
<b>Environmental</b>			
Temperature Range	-100 to +350 °F	-73 to +177 °C	
<b>Electrical</b>			
Capacitance(all channels)	70 pF	70 pF	[1]
Insulation Resistance(all channels)	≥ 10 <sup>12</sup> Ohm	≥ 10 <sup>12</sup> Ohm	
Output Polarity(in direction of markings)	Negative	Negative	
<b>Physical</b>			
Stiffness(z axis)	19.4 lb/μin	3.4 kN/μm	[1]
Stiffness(x or y axis)	5.7 lb/μin	1.0 kN/μm	[1]
Weight	96.25 oz	2994 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

Electrical Connection Position Side      Side

**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.  
 [4] See PCB Declaration of Conformance PS158 for details.

Entered: LK	Engineer: RPF	Sales: RWM	Approved: BAM	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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