Model Number 261A13	3-COMPONENT CHARGE OUTPUT FORCE SENSOR	Revision: C ECN #: 44711

Performance	ENGLISH	SI	
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	10,000 Hz	10,000 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	-100 to +350 °F	-73 to +177 °C	
Electrical			
Capacitance(all channels)	70 pF	70 pF	[1]
Insulation Resistance(all channels)	≥ 10^{12} Ohm	≥ 10^{12} Ohm	
Output Polarity(in direction of markings)	Negative	Negative	
Physical			
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	

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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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.

Entered: LK	Engineer: BAM	Sales: RWM	Approved: BAM	Spec Number:
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