Model Number 261A13	3-COMPONENT CHARGE OUTPUT FORCE SENSOR	Revision A ECN #: 33704

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)	10000 lb	44.48 kN	
Measurement Range (x or y axis)	4000 lb	17.7 kN	
Maximum Force (z axis)	11000 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 %	
Environmental			
Temperature Range	-100 to +350 °F	-73 to +177 °C	
Electrical			
Capacitance (all channels)	70 pF	70 pF	[1]
Insulation Resistance (all channels)	$\geq 10^{12}$ Ohm	$\geq 10^{12}$ Ohm	
Output Polarity (in direction of markings)	Negative	Negative	
Physical			
Stiffness (z axis)	40 lb/µin	7 kN/µm	[1]
Stiffness (x or y axis)	15 lb/µin	2.6 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 standard model except where noted below. More than one option maybe used.)

M - Metric Mount
Supplied Accessory: Model M081A71 Mounting Stud

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: DMW	Engineer: MJK	Sales: KWW	Approved: ECB	Spec Number:
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