

Model Number 260A13	3-COMPONENT CHARGE OUTPUT FORCE SENSOR				Revision: P ECN #: 44711
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.
Sensitivity(± 15 %)(x or y axis)	32 pC/lb	7.19 pC/N	[2]		
Measurement Range(z axis)	10,000 lb	44.48 kN			M - Metric Mount Supplied Accessory : Model M081A71 Mounting Stud (1) replaces Model 081A71
Measurement Range(x or y axis)	4000 lb	17.7 kN			
Maximum Force(z axis)	11,000 lb	48.93 kN			W - Water Resistant Cable Electrical Connection Position
Maximum Force(x or y axis)	4400 lb	19.57 kN			
Maximum Moment(z axis)	240 ft-lb	325.4 Nm			Side Side
Maximum Moment(x or y axis)	325 ft-lb	440.7 Nm			
Upper Frequency Limit	39,000 Hz	39,000 Hz			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]Preload should be at least 10 times the X and Y operating range used.
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					SUPPLIED ACCESSORIES: Model 081A71 Mounting Stud (1) Model 082B06 Anti-Friction Washer (1) Model 083A11 Pilot Bushing (1)
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			Entered: LK Engineer: BAM Sales: RWM Approved: BAM Spec Number:
Output Polarity(in direction of markings)	Negative	Negative			
Physical					Date: 10/14/2015 Date: 10/14/2015 Date: 10/14/2015 Date: 10/14/2015 6231
Preload	≤ 40,000 lb	≤ 178 kN	[4]		 3425 Walden Avenue, Depew, NY 14043
Stiffness(z axis)	38.8 lb/μin	6.8 kN/μm	[1]		
Stiffness(x or y axis)	11.4 lb/μin	2.0 kN/μm	[1]		Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com
Size (Height x Length x Width x Bolt Diameter x ID x Sensing Surface)	0.790 in x 2.25 in x 2.25 in x 1 in x 1.023 in x 1.800 in	20.07 mm x 57.1 mm x 57.1 mm x 25 mm x 25.98 mm x 45.72 mm			
Weight	9.88 oz	280 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. ICP® is a registered trademark of PCB Group, Inc.					



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