



Model Number 221B03	<b>ICP® FORCE SENSOR</b>		Revision: K ECN #: 45758	
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>OPTIONAL VERSIONS</b>	
Sensitivity(± 15 %)	10 mV/lb	2248.2 mV/kN	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range(Compression)	500 lb	2.224 kN	J - Ground Isolated	
Measurement Range(Tension)	500 lb	2.224 kN	M - Metric Mount	
Maximum Static Force(Compression)	3000 lb	13.34 kN	Mounting Thread	
Maximum Static Force(Tension)	1000 lb	4.448 kN	M6 x 0.75 Female	
Broadband Resolution(1 to 10,000 Hz)	0.01 lb-rms	0.04448 N-rms	N - Negative Output Polarity	
Low Frequency Response(-5 %)	0.002 Hz	0.002 Hz	Output Polarity(Compression)	
Upper Frequency Limit	15 kHz	15 kHz	Negative                      Negative	
Non-Linearity	≤ 1.5 % FS	≤ 1.5 % FS	W - Water Resistant Cable	
<b>Environmental</b>			Electrical Connector	
Temperature Range	-65 to +250 °F	-54 to +121 °C	Electrical Connection Position	
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C	Sealed Cable                      Sealed Cable Side                                      Side	
<b>Electrical</b>			<b>NOTES:</b>	
Discharge Time Constant(at room temp)	≥ 400 sec	≥ 400 sec	[1]Typical.	
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	[2]Calculated from discharge time constant.	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	[3]Estimated using rigid body dynamics calculations.	
Output Impedance	≤ 100 Ohm	≤ 100 Ohm	[4]Zero-based, least-squares, straight line method.	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	[5]See PCB Declaration of Conformance PS023 for details.	
Output Polarity(Compression)	Positive	Positive	<b>OPTIONAL ACCESSORIES:</b>	
<b>Physical</b>			Model 081A06 Mounting stud, 1/4-28 to 1/4-28 x .37 in. long, BeCu, no shoulder (1)	
Stiffness	2 lb/μin	0.35 kN/μm	Entered: LK      Engineer: APB      Sales: KWW      Approved: APB      Spec Number:	
Size (Diameter x Height)	0.65 in x 1.25 in	16.51 mm x 31.75 mm	Date: 7/28/2016      Date: 7/28/2016      Date: 7/28/2016      Date: 7/28/2016      1241	
Weight	1.1 oz	31 gm	 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	
Housing Material	Stainless Steel	Stainless Steel		
Sealing	Hermetic	Hermetic		
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack		
Electrical Connection Position	Side	Side		
Mounting Thread	1/4-28 Female	1/4-28 Female		
	<p>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.</p>			



Represented in India by

**Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com**

#4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029