



Model Number 221B05	ICP® FORCE		Revision: F ECN #: 15530								
Performance	ENGLISH	SI	OPTIONAL VERSIONS								
Sensitivity (±15 %)	1 mV/lb	224.82 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)	5000 lb	22.24 kN	J - Ground Isolated								
Measurement Range (Tension)	1000 lb	4.448 kN	M - Metric Mount								
Maximum Static Force (Compression)	6000 lb	26.69 kN	Mounting Thread Not Applicable M6 x 0.75 Female								
Maximum Static Force (Tension)	1200 lb	5.34 kN	N - Negative Output Polarity								
Broadband Resolution (1 to 10000 Hz)	0.10 lb-rms	0.445 N-rms	Output Polarity (Compression) Negative Negative								
Low Frequency Response (-5 %)	0.0003 Hz	0.0003 Hz	W - Water Resistant Cable								
Upper Frequency Limit	15 kHz	15 kHz	Electrical Connector Sealed Cable Sealed Cable								
Non-Linearity	≤1 % FS	≤1 % FS	Electrical Connection Position Side Side								
Environmental			NOTES:								
Temperature Range	-65 to +250 °F	-54 to +121 °C	[1] Typical.								
Temperature Coefficient of Sensitivity	≤0.03 %/°F	≤0.054 %/°C	[2] Calculated from discharge time constant.								
Electrical			[3] Estimated using rigid body dynamics calculations.								
Discharge Time Constant (at room temp)	≥2000 sec	≥2000 sec	[4] Zero-based, least-squares, straight line method.								
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	[5] See PCB Declaration of Conformance PS023 for details.								
Constant Current Excitation	2 to 20 mA	2 to 20 mA	OPTIONAL ACCESSORIES:								
Output Impedance	≤100 ohms	≤100 ohms	Model 081A06 Mounting stud, 1/4-28 to 1/4-28 x .37 in. long, BeCu, no shoulder (1)								
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC									
Output Polarity (Compression)	Positive	Positive									
Physical											
Stiffness	2 lb/μin	0.35 kN/μm									
Size (Diameter x Height)	0.65 in x 1.25 in	16.51 mm x 31.75 mm									
Weight	1.1 oz	31 gm									
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	Not Applicable									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Entered: <i>JAB</i></td> <td style="width: 25%;">Engineer: <i>JAB</i></td> <td style="width: 25%;">Sales: <i>JM</i></td> <td style="width: 25%;">Approved: <i>AMB</i></td> </tr> <tr> <td>Date: <i>10/30/02</i></td> <td>Date: <i>12/30/02</i></td> <td>Date: <i>12/31/02</i></td> <td>Date: <i>12/31/02</i></td> </tr> </table>				Entered: <i>JAB</i>	Engineer: <i>JAB</i>	Sales: <i>JM</i>	Approved: <i>AMB</i>	Date: <i>10/30/02</i>	Date: <i>12/30/02</i>	Date: <i>12/31/02</i>	Date: <i>12/31/02</i>
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 [5]											
<p><i>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.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>											
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