


Model Number 222B		ICP® FORCE SENSOR			Revision: J ECN #: 40706															
Performance		ENGLISH	SI		OPTIONAL VERSIONS															
Sensitivity(± 15 %)		0.90 mV/lb	202.33 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)		6000 lb	26.69 kN		J - Ground Isolated															
Measurement Range(Tension)		2500 lb	11.12 kN		M - Metric Mount															
Maximum Static Force(Compression)		6000 lb	26.69 kN		Mounting Thread M10 x 1.00 Female															
Maximum Static Force(Tension)		2800 lb	12.46 kN		N - Negative Output Polarity															
Broadband Resolution(1 to 10,000 Hz)		0.2 lb-rms	0.8896 N-rms	[1]	W - Water Resistant Cable															
Low Frequency Response(-5 %)		0.0003 Hz	0.0003 Hz	[2]	Electrical Connector Sealed Cable															
Upper Frequency Limit		12 kHz	12 kHz	[3]	Electrical Connection Position Side															
Non-Linearity		≤ 1 % FS	≤ 1 % FS	[4]																
Environmental																				
Temperature Range		-65 to +250 °F	-54 to +121 °C																	
Temperature Coefficient of Sensitivity		≤ 0.03 %/°F	≤ 0.054 %/°C																	
Electrical																				
Discharge Time Constant(at room temp)		≥ 2000 sec	≥ 2000 sec																	
Excitation Voltage		20 to 30 VDC	20 to 30 VDC																	
Constant Current Excitation		2 to 20 mA	2 to 20 mA																	
Output Impedance		≤ 100 Ohm	≤ 100 Ohm																	
Output Bias Voltage		8 to 14 VDC	8 to 14 VDC																	
Physical																				
Stiffness		3 lb/μin	0.53 kN/μm	[1]																
Size (Diameter x Height)		0.870 in x 1.620 in	22.1 mm x 41.51 mm																	
Weight		2 oz	58 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		3/8 - 24 Female	3/8 - 24 Female																	
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p><i>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>																				
<p>NOTES:</p> <p>[1] Typical.</p> <p>[2] Calculated from discharge time constant.</p> <p>[3] Estimated using rigid body dynamics calculations.</p> <p>[4] Zero-based, least-squares, straight line method.</p>																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Entered: AP</td> <td style="width: 15%;">Engineer: JDK</td> <td style="width: 15%;">Sales: KWW</td> <td style="width: 15%;">Approved: APB</td> <td style="width: 15%;">Spec Number:</td> <td colspan="2"></td> </tr> <tr> <td>Date: 3/18/2013</td> <td>Date: 3/18/2013</td> <td>Date: 3/18/2013</td> <td>Date: 3/18/2013</td> <td style="text-align: center;">1249</td> <td colspan="2"></td> </tr> </table>							Entered: AP	Engineer: JDK	Sales: KWW	Approved: APB	Spec Number:			Date: 3/18/2013	Date: 3/18/2013	Date: 3/18/2013	Date: 3/18/2013	1249		
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