


Model Number 222B	ICP® FORCE SENSOR			Revision: K ECN #: 45758	
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		
Maximum Static Force(Tension)	2800 lb	12.46 kN	M10 x 1.00 Female		
Broadband Resolution(1 to 10,000 Hz)	0.2 lb-rms	0.8896 N-rms	N - Negative Output Polarity		
Low Frequency Response(-5 %)	0.0003 Hz	0.0003 Hz	Output Polarity(Compression)		
Upper Frequency Limit	12 kHz	12 kHz	Negative Negative		
Non-Linearity	≤ 1.5 % FS	≤ 1.5 % FS	W - Water Resistant Cable		
Environmental			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		
Electrical			Side Side		
Discharge Time Constant(at room temp)	≥ 2000 sec	≥ 2000 sec	NOTES:		
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	[1]Typical.		
Constant Current Excitation	2 to 20 mA	2 to 20 mA	[2]Calculated from discharge time constant.		
Output Impedance	≤ 100 Ohm	≤ 100 Ohm	[3]Estimated using rigid body dynamics calculations.		
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	[4]Zero-based, least-squares, straight line method.		
Physical			[1]		
Stiffness	3 lb/μin	0.53 kN/μm			
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> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.</p>					
Entered: LK		Engineer: APB	Sales: KWW	Approved: APB	Spec Number:
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