

Model Number 221B01	ICP® FORCE			Revision: G ECN #: 15530				
Performance	ENGLISH	SI		OPTIONAL VERSIONS				
Sensitivity (±15 %)	500 mV/lb	112404 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)	10 lb	0.04448 kN		J - Ground Isolated				
Measurement Range (Tension)	10 lb	0.04448 kN		M - Metric Mount				
Maximum Static Force (Compression)	60 lb	0.2669 kN		Mounting Thread	Not Applicable	M6 x 0.75 Female		
Maximum Static Force (Tension)	60 lb	0.2669 kN		N - Negative Output Polarity				
Broadband Resolution (1 to 10000 Hz)	0.0002 lb-rms	0.0008896 N-rms	[1]	Output Polarity (Compression)	Negative	Negative		
Low Frequency Response (-5 %)	0.01 Hz	0.01 Hz	[2]	W - Water Resistant Cable				
Upper Frequency Limit	15 kHz	15 kHz	[3]	Electrical Connector	Sealed Cable	Sealed Cable		
Non-Linearity	≤1 % FS	≤1 % FS	[4]	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)	≥50 sec	≥50 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	[1]					
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						
				Entered: <i>ZAB</i>	Engineer: <i>ZAB</i>	Sales: <i>JPM</i>	Approved: <i>JMB</i>	Spec Number:
				Date: <i>12/31/02</i>	Date: <i>12/31/02</i>	Date: <i>12/31/02</i>	Date: <i>12/31/02</i>	1243
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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.

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