

Model Number 226C		ICP® FORCE		Revision: D ECN #: 15530	
Performance					
Sensitivity (±15 %)	ENGLISH 0.11 mV/lb	SI 24.73 mV/kN			
Measurement Range (Compression)	45000 lb	200.16 kN			
Measurement Range (Tension)	20000 lb	88.96 kN			
Maximum Static Force (Compression)	55000 lb	244.65 kN			
Maximum Static Force (Tension)	25000 lb	111.21 kN			
Broadband Resolution (1 to 10000 Hz)	0.44 lb-rms	1.96 N-rms	[1]		
Low Frequency Response (-5 %)	0.0003 Hz	0.0003 Hz	[2]		
Upper Frequency Limit	5 kHz	5 kHz	[3]		
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 ohms	≤100 ohms			
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC			
Spectral Noise (1 Hz)	0.0248 lb/√Hz	0.111 N/√Hz	[1]		
Spectral Noise (10 Hz)	0.0118 lb/√Hz	0.053 N/√Hz	[1]		
Spectral Noise (100 Hz)	0.00414 lb/√Hz	0.018 N/√Hz	[1]		
Spectral Noise (1 kHz)	0.00131 lb/√Hz	0.00585 N/√Hz	[1]		
Output Polarity (Compression)	Positive	Positive			
Physical					
Stiffness	11 lb/μin	1.9 kN/μm	[1]		
Size (Diameter x Height)	2.05 in x 3.50 in	52.07 mm x 88.90 mm			
Weight	32 oz	907 gm	[1]		
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 - 12 Female	Not Applicable			
OPTIONAL VERSIONS					
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.					
J - Ground Isolated					
M - Metric Mount					
Mounting Thread	Not Applicable	M24 x 1.50 Female			
N - Negative Output Polarity					
Output Polarity (Compression)	Negative	Negative			
W - Water Resistant Cable					
Electrical Connector	Sealed Cable	Sealed Cable			
Electrical Connection Position	Side	Side			
NOTES:					
[1] Typical.					
[2] Calculated from discharge time constant.					
[3] Estimated using rigid body dynamics calculations.					
[4] Zero-based, least-squares, straight line method.					
[5] See PCB Declaration of Conformance PS023 for details.					
Entered: <i>ZAB</i>	Engineer: <i>Y&R</i>	Sales: <i>JDM</i>	Approved: <i>DMP</i>	Spec Number:	
Date: <i>12/17/02</i>	Date: <i>12/31/02</i>	Date: <i>1/4/02</i>	Date: <i>12/31/02</i>	8649	
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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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