

Model Number 226C	ICP® FORCE SENSOR	Revision: E ECN #: 45758
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Performance	ENGLISH	SI
Sensitivity(± 15 %)	0.11 mV/lb	24.73 mV/kN
Measurement Range(Compression)	45,000 lb	200.16 kN
Measurement Range(Tension)	20,000 lb	88.96 kN
Maximum Static Force(Compression)	55,000 lb	244.65 kN
Maximum Static Force(Tension)	25,000 lb	111.21 kN
Broadband Resolution(1 to 10,000 Hz)	0.44 lb-rms	1.96 N-rms
Low Frequency Response(-5 %)	0.0003 Hz	0.0003 Hz
Upper Frequency Limit	5 kHz	5 kHz
Non-Linearity	≤ 1.5 % FS	≤ 1.5 % FS
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
Spectral Noise(1 Hz)	0.0248 lb/√Hz	0.111 N/√Hz
Spectral Noise(10 Hz)	0.0118 lb/√Hz	0.053 N/√Hz
Spectral Noise(100 Hz)	0.00414 lb/√Hz	0.018 N/√Hz
Spectral Noise(1 kHz)	0.00131 lb/√Hz	0.00585 N/√Hz
Output Polarity(Compression)	Positive	Positive
Physical		
Stiffness	11 lb/μin	1.9 kN/μm
Size (Diameter x Height)	2.05 in x 3.50 in	52.07 mm x 88.90 mm
Weight	32 oz	907 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 - 12 Female	1 - 12 Female

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		M24 x 1.50 Female
N - Negative Output Polarity Output Polarity(Compression)	Negative	Negative
W - Water Resistant Cable Electrical Connector Electrical Connection Position	Sealed Cable Side	Sealed Cable 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: LK	Engineer: APB	Sales: KWW	Approved: APB	Spec Number:
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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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