	221B03		ICP® FORCE				
	Performance		ENGLISH	SI	-		
	Sensitivity(± 15 %)		10 mV/lb	2248.2 mV/kN			
	Measurement Range(Co	mpression)	500 lb	2.224 kN			
	Measurement Range(Tension)		500 lb	2.224 kN			
	Maximum Static Force(Compression) Maximum Static Force(Tension) Broadband Resolution(1 to 10,000 Hz)		3000 lb	13,34 kN			
			1000 lb	4.448 kN			
			0.01 lb-rms	0.04448 N-rms			
	Low Frequency Respons	se(-5 %)	0.002 Hz	0.002 Hz			
	Upper Frequency Limit		15 kHz	15 kHz			
	Non-Linearity		≤ 1 % FS	≤ 1 % 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)		≥ 400 sec	≥ 400 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			
	Output Polarity(Compres	sion)	Positive	Positive			
	Physical						
	Stiffness		2 lb/µin	0.35 kN/µm			
	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			
н	I	141					



Mounting Thread

Electrical Connection Position

Model Number

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.

Side

1/4-28 Female

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SENSOR

[1] [2]

[3] [4]

Side

1/4-28 Female

Revision: J

ECN #: 30732

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 M6 x 0.75 Female

N - Negative Output Polarity

Output Polarity(Compression) Negative Negative

W - Water Resistant Cable

Electrical Connector Sealed Cable Sealed Cable Side **Electrical Connection Position** 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.

OPTIONAL ACCESSORIES:

Model 081A06 Mounting stud, 1/4-28 to 1/4-28 x .37 in. long, BeCu, no shoulder (1)

Entered & S	EngineerAP3	Sales: KW	ApprovedEB	Spec Number:
Date: 5 21 do 9	Date: 5 2409	Date 72669	Datesbudg	1241



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