Model Number 223B	ICP® FORCE SENSOR				Revision: L ECN #: 46037
Performance Sensitivity(± 15 %) Measurement Range(Compression) Measurement Range(Tension)	ENGLISH 0.42 mV/lb 12,000 lb 4000 lb	<u>SI</u> 94.42 mV/kN 53.38 kN 17.79 kN		OPTIONAL VERSIONS Optional versions have identical specifications and accessories except where noted below. More than one opti	
Maximum Static Force(Compression) Maximum Static Force(Tension)	12,500 lb 4500 lb	55.60 kN 20.02 kN	641	J - Ground Isolated	
Broadband Resolution(1 to 10,000 Hz) Low Frequency Response(-5 %) Upper Frequency Limit	0.40 lb-rms 0.0003 Hz 10,000 Hz	1.78 N-rms 0.0003 Hz 10,000 Hz	[1] [2] [3]	M - Metric Mount Mounting Thread	M12 x 1.25 Female
Non-Linearity Environmental	≤ 1.5 % FS -65 to +250 °F	≤ 1.5 % FS -54 to +121 °C	[4]	N - Negative Output PolarityOutput Polarity(Compression)Negative	Negative
Temperature Range Temperature Coefficient of Sensitivity Electrical	-65 to +250 °F ≤ 0.03 %/°F	-54 to +121 °C ≤ 0.054 %/°C		W - Water Resistant Cable Electrical Connector Sealed Cable	Sealed Cable
Discharge Time Constant(at room temp) Excitation Voltage	≥ 2000 sec 20 to 30 VDC	≥ 2000 sec 20 to 30 VDC		Electrical Connection Position Side	Side
Constant Current Excitation Output Impedance Output Bias Voltage	2 to 20 mA ≤ 100 Ohm 8 to 14 VDC	2 to 20 mA ≤ 100 Ohm 8 to 14 VDC			
Output Polarity(Compression) Physical	Positive	Positive		NOTES: [1] Typical.	
Stiffness Size (Diameter x Height) Weight	4 lb/µin 1.10 in x 2.00 in 4.2 oz	0.70 kN/µm 27.94 mm x 50.8 mm 120 gm	[1]	 [2] Calculated from discharge time constant. [3] Estimated using rigid body dynamics calculations. [4] Zero-based, least-squares, straight line method. 	
Housing Material Sealing Electrical Connector	Stainless Steel Hermetic 10-32 Coaxial Jack	Stainless Steel Hermetic 10-32 Coaxial Jack		[5] See PCB Declaration of Conformance PS023 for details.	
Electrical Connection Position Mounting Thread	Side 1/2 - 20 Female	Side 1/2 - 20 Female			
CE					roved: BAM Spec Number: 10/7/2016 1290
All specifications are at room temperature un In the interest of constant product improvem		ecifications without notice.		PCB PIEZOTRONICS "	Phone: 716-684-0001 Fax: 716-684-0987
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