Model Number 223B	ICP® FORCE SENSOR				Revision: J ECN #: 31810
Performance Sensitivity(± 15 %) Measurement Range(Compression) Maximum Static Force(Compression) Maximum Static Force(Tension) Broadband Resolution(1 to 10,000 Hz) Low Frequency Response(-5 %) Upper Frequency Limit Non-Linearity Environmental	ENGLISH 0.42 mV/lb 12,000 lb 4000 lb 10,000 lb 4500 lb 0.40 lb-rms 0.0003 Hz 10 kHz ≤ 1 % FS	SI 94.42 mV/kN 53.38 kN 17.79 kN 44.48 kN 20.02 kN 1.78 N-rms 0.0003 Hz 10 kHz ≤ 1 % FS	[1] [2] [3] [4]	OPTIONAL VERSION Optional versions have identical specifications and accessor except where noted below. More than one of J - Ground Isolated M - Metric Mount Mounting Thread N - Negative Output Polarity Output Polarity(Compression) Negative	ies as listed for the standard model
Temperature Range Temperature Coefficient of Sensitivity Electrical Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Output Bias Voltage Output Polarity(Compression) Physical Stiffness Size (Diameter x Height) Weight Housing Material Sealing Electrical Connector	-65 to +250 °F ≤ 0.03 %/°F ≥ 2000 sec 20 to 30 VDC 2 to 20 mA ≤ 100 ohm 8 to 14 VDC Positive 4 lb/µin 1.10 in x 2.00 in 4.2 oz Stainless Steel Hermetic 10-32 Coaxial Jack	-54 to +121 °C ≤ 0.054 %/°C ≥ 2000 sec 20 to 30 VDC 2 to 20 mA ≤ 100 ohm 8 to 14 VDC Positive 0.70 kN/µm 27.94 mm x 50.8 mm 120 gm Stainless Steel Hermetic 10-32 Coaxial Jack	[1]	W - Water Resistant Cable Electrical Connector Sealed Cable Electrical Connection Position Side NOTES: [1] [1] Typical. [2] [2] Calculated from discharge time constant. [3] [3] Estimated using rigid body dynamics calculations. [4] [4] Zero-based, least-squares, straight line method. [5] [5] See PCB Declaration of Conformance PS023 for details.	Side
Electrical Connection Position Mounting Thread	we reserve the right to change sp	Side 1/2 - 20 Female ecifications without notice.		Entered: BLS Engineer: BH Sales: 114 A Date: 11-23-09 Date: 11-23-09 Date(1-23-09 D PCB P/EZOTRON/CS FORCE / TORQUE DIVISION 3425 Walden Avenue, Depew, NY 14043	Phone: 716-684-0001 Fax: 716-684-8877 E-Mail: force@pcb.com