

Model Number 201B05	ICP® FORCE SENSOR		Revision: D ECN #: 35154				
Performance Sensitivity(± 15 %) Measurement Range(Compression) Maximum Static Force(Compression) Broadband Resolution(1 to 10,000 Hz) Low Frequency Response(-5 %) Upper Frequency Limit Non-Linearity Environmental Temperature Range Temperature Coefficient of Sensitivity Electrical Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Output Polarity(Compression) Physical Preload Stiffness Size (Diameter x Height x Bolt Diameter x Sensing Surface) Size (ID)(Hole Diameter) Size (OD)(Sensor) Weight Housing Material Sealing Electrical Connector Electrical Connection Position			ENGLISH 1 mV/lb 5000 lb 8000 lb 0.10 lb-rms 0.0003 Hz 90 kHz ≤ 1 % FS -65 to +250 °F ≤ 0.03 %/°F ≥ 2000 sec 20 to 30 VDC 2 to 20 mA ≤ 100 ohm 8 to 14 VDC Positive 1000 lb 12 lb/μin 0.650 in x 0.310 in x 0.25 in x 0.50 in 0.251 in 0.650 in 0.35 oz Stainless Steel Hermetic 10-32 Coaxial Jack Side	SI 224.8 mV/kN 22.24 kN 35.59 kN 0.4448 N-rms 0.0003 Hz 90 kHz ≤ 1 % FS -54 to +121 °C ≤ 0.054 %/°C ≥ 2000 sec 20 to 30 VDC 2 to 20 mA ≤ 100 ohm 8 to 14 VDC Positive 4.448 kN 2.1 kN/μm 16.5 mm x 7.9 mm x 6 mm x 12.7 mm 6.38 mm 16.51 mm 10 gm Stainless Steel Hermetic 10-32 Coaxial Jack Side	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. N - Negative Output Polarity Output Polarity(Compression) W - Water Resistant Cable Electrical Connector Electrical Connection Position		
			Negative Negative 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.				
			SUPPLIED ACCESSORIES: Model 080A82 Assembly Lubricant (1) Model 081A11 Mounting Stud, 10-32 x 0.730, BeCu (1) Model 082B01 Anti-Friction Washer (1) Model 083B01 Pilot Bushing (1) Model M081A11 Mounting Stud, M5 x 0.8 x 0.730, BeCu (1) Model M083B01 Pilot Bushing (1)				
			Entered: 4/5/11 Date: 3/1/11	Engineer: ngx Date: 3/1/11	Sales: 4/5/11 Date: 3/1/11	Approved: EB Date: 3/1/11	Spec Number: 201-2050-80
 [5] 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. ICP® is a registered trademark of PCB Group, Inc.			 3425 Walden Avenue, Depew, NY 14043		Phone: 716-684-0001 Fax: 716-684-8877 E-Mail: force@pcb.com		