


Model Number 215B	CHARGE OUTPUT FORCE SENSOR			Revision: D ECN #: 41735
Performance Sensitivity(± 15 %) Measurement Range(Compression) Maximum Static Force(Compression) Upper Frequency Limit Non-Linearity	ENGLISH 18 pC/lb ≤ 60,000 lb 70,000 lb 50,000 Hz ≤ 1.5 % FS	SI 4047 pC/kN ≤ 266.9 kN 311.4 kN 50,000 Hz ≤ 1.5 % FS	[2][3] [4]	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. M - Metric Mount Supplied Accessory : Model 080A82 Assembly Lubricant Supplied Accessory : Model 082B05 Anti-friction washer (for Models 205B and 215B) Supplied Accessory : Model M081A15 Mounting Stud, M16 x 1.50 x 1.650, BeCu Supplied Accessory : Model M083B05 Pilot Bushing P - Positive Output Polarity W - Water Resistant Cable Electrical Connector Molded Integral Cable Molded Integral Cable Electrical Connection Position Side Side
Environmental Temperature Range Temperature Coefficient of Sensitivity	-100 to +400 °F ≤ 0.03 %/°F	-73 to +204 °C ≤ 0.054 %/°C		
Electrical Capacitance Insulation Resistance	38 pF ≥ 1E12	38 pF ≥ 1E12	[1]	
Physical Preload Stiffness Size (Diameter x Height x Bolt Diameter x Sensing Surface)	12,000 lb 40 lb/μin 1.580 in x 0.510 in x 3/4 in x 1.375 in	53.379 kN 7 kN/μm 40.13 mm x 12.95 mm x 21 mm x 34.93 mm	[1] [1]	
Size (ID)(Hole Diameter) Size (OD)(Sensor) Weight Housing Material Sealing Electrical Connector Electrical Connection Position	0.830 in 1.580 in 2.82 oz Stainless Steel Hermetic 10-32 Coaxial Jack Side	21.08 mm 40.13 mm 80 gm Stainless Steel Hermetic 10-32 Coaxial Jack Side		NOTES: [1] Typical. [2] Estimated using rigid body dynamics calculations. [3] Low frequency response and system noise dependent on choice of external signal conditioning electronics. [4] Zero-based, least-squares, straight line method.
<i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.	SUPPLIED ACCESSORIES: Model 080A82 Assembly Lubricant Model 081A15 Mounting Stud, 5/8-18 x 1.650, BeCu Model 082B05 Anti-friction washer (for Models 205B and 215B) Model 083B05 Pilot bushing (for Models 205C and 215B)			Entered: AP Engineer: MJK Sales: KWW Approved: APB Spec Number:
Date: 9/5/2013 Date: 9/5/2013 Date: 9/5/2013 Date: 9/5/2013 1039			 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043	