Model Number 215B				
Performance		ENGLISH	SI	
Sensitivity(± 15 %)		18 pC/lb	4,047 pC/kN	
Measurement Range(Compression)		≤ 60,000 lb	≤ 266.9 kN	
Maximum Static Force(Compression)		70,000 lb	311.4 kN	
Upper Frequency Limit		50,000 Hz	50,000 Hz	[1][2]
Non-Linearity		≤ 1.5 % FS	≤ 1.5 % FS	[3]
Environmental				
Temperature Range		-100 to +400 °F	-73 to +204 °C	
Temperature Coefficient of Sensitivity		≤ 0.03 %/°F	≤ 0.054 %/°C	
Electrical				
Capacitance		38 pF	38 pF	[4]
Insulation Resistance		≥ 1E12	≥ 1E12	
Output Polarity(Compression)		Negative	Negative	
Physical				
Preload		12,000 lb	53.379 kN	
Stiffness		40 lb/µin	7 kN/µm	[4]
Size (Diameter x Height x Bolt Diameter x		1.580 in x 0.510 in x 3/4 in x	40.13 mm x 12.95 mm x 21	
Sensing Surface)		1.375 in	mm x 34.93 mm	
Size - ID(Hole Diameter)		0.830 in	21.08 mm	
Size - OD(Sensor)		1.580 in	40.13 mm	
Weight		2.82 oz	80 gm	
Housing Material		Stainless Steel	Stainless Steel	
Sealing		Hermetic	Hermetic	
Electrical Connector		10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position		Side	Side	

**C E**[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<sup>®</sup> is a registered trademark of PCB Piezotronics, Inc. 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 Output Polarity(Compression) Positive Positive ₩ - Water Resistant Cable Electrical Connector Electrical Connection Position Molded Integral Cable Side Molded Integral Cable Side NOTES: [1]Estimated using rigid body dynamics calculations. [2]Low frequency response and system noise dependent on choice of external signal conditioning electronics. [3]Zero-based, least-squares, straight line method. [4]Typical. [5]See PCB Declaration of Conformance PS158 for details. 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)

**OPTIONAL VERSIONS** 

Revision: G ECN #: 50221

Entered: RB	Engineer: RPF	Sales: RWM	Approved: RPF	Spec Number:
Date: 01/28/2020	Date: 01/28/2020	Date: 01/28/2020	Date: 01/28/2020	1039

