


Model Number 217B			Revision: E ECN #: 50221	
<b>Performance</b> Sensitivity(± 15 %) Measurement Range(Compression) Maximum Static Force(Compression) Upper Frequency Limit Non-Linearity	<b>ENGLISH</b> 17 pC/lb ≤ 100,000 lb 110,000 lb 35,000 Hz ≤ 1 % FS	<b>SI</b> 3,822 pC/kN ≤ 444.8 kN 489.3 kN 35,000 Hz ≤ 1 % FS	[1][2] [3]	
<b>Environmental</b> Temperature Range Temperature Coefficient of Sensitivity	-100 to +400 °F ≤ 0.03 %/°F	-73 to +204 °C ≤ 0.054 %/°C		
<b>Electrical</b> Capacitance Insulation Resistance Output Polarity(Compression)	130 pF ≥ 1E12 Negative	130 pF ≥ 1E12 Negative	[4]	
<b>Physical</b> 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	33,750 lb 131 lb/μin 2.950 in x 0.670 in x 1.5 in x 2.660 in 1.610 in 2.950 in 12.5 oz Stainless Steel Hermetic 10-32 Coaxial Jack Side	150.13 kN 23 kN/μm 74.93 mm x 17.02 mm x 40 mm x 67.56 mm 40.89 mm 74.93 mm 354 gm Stainless Steel Hermetic 10-32 Coaxial Jack Side	[4]	
<b>OPTIONAL VERSIONS</b>				
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.				
<b>M</b> - Metric Mount Supplied Accessory: Model 080A82 Assembly Lubricant Supplied Accessory: Model 082B07 Anti-friction washer (for Models 207C and 217B) Supplied Accessory: Model M081A17 Mounting Stud, M30 x 2.00 x 2.280, BeCu Supplied Accessory: Model M083B07 Pilot Bushing				
<b>P</b> - Positive Output Polarity Output Polarity(Compression)				
		Positive	Positive	
<b>W</b> - Water Resistant Cable Electrical Connector Electrical Connection Position				
		Molded Integral Cable Side	Molded Integral Cable Side	
<b>NOTES:</b>				
[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.				
<b>SUPPLIED ACCESSORIES:</b>				
Model 080A82 Assembly Lubricant (1) Model 081A17 Mounting Stud, 1 1/8-12 x 2.280, BeCu (1) Model 082B07 Anti-friction washer (for Models 207C and 217B) (1) Model 083B07 Pilot bushing (for Models 207C and 217B) (1)				
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	217-2010-80
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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 Piezotronics, Inc.				