Model Number 216B

Revision: J ECN #: 50917

Performance	ENGLISH	SI	
Sensitivity(± 15 %)	18 pC/lb	4,047 pC/kN	
Measurement Range(Compression)	≤ 80,000 lb	≤ 355.86 kN	
Maximum Static Force(Compression)	90,000 lb	400.32 kN	
Upper Frequency Limit	40 kHz	40 kHz	[1][2]
Non-Linearity	≤ 1.25 % FS	≤ 1.25 % 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	80 pF	80 pF	[4]
Insulation Resistance	≥ 1E12	≥ 1E12	
Output Polarity(Compression)	Negative	Negative	
Physical			
Preload	16,000 lb	71.172 kN	
Stiffness	74 lb/μin	13 kN/μm	[4]
Size (Diameter x Height x Bolt Diameter x	2.05 in x 0.590 in x 1 in x 1.750	52.9 mm x 15 mm x 26 mm	ı x
Sensing Surface)	in	44.5 mm	
Size - ID(Hole Diameter)	1.025 in	26.04 mm	
Size - OD(Sensor)	2.05 in	52 mm	
Weight	5.48 oz	155 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	

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 082B06 Anti-Friction Washer Supplied Accessory: Model M081A16 Mounting Stud, M22 x 2.00 x 1.900, BeCu Supplied Accessory: Model M083B06 Pilot Bushing

P - Positive Output Polarity Output Polarity(Compression)

Positive

Positive

W - Water Resistant Cable Electrical Connector Electrical Connection Position

Molded Integral Cable

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.

SUPPLIED ACCESSORIES:

Model 080A82 Assembly Lubricant

Model 081A16 Mounting Stud, 7/8-14 x 1.900, BeCu

Model 082B06 Anti-Friction Washer

Model 083B06 Pilot bushing (for Models 206C and 216B)

Entered: LK	Engineer: MJK	Sales: KWW	Approved: RPF	Spec Number:
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