

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 15 %)	0.10 mV/lb	22.48 mV/kN	
Measurement Range(Compression)	50,000 lb	222.4 kN	
Maximum Static Force(Compression)	75,000 lb	333.6 kN	
Broadband Resolution(1 to 10,000 Hz)	1 lb-rms	4.45 N-rms	[1]
Low Frequency Response(-5 %)	0.0003 Hz	0.0003 Hz	[2]
Upper Frequency Limit	30 kHz	30 kHz	[3]
Non-Linearity	≤1 % FS	≤1 % FS	[4]
Environmental			
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Coefficient of Sensitivity	≤0.15 %/°F	≤0.27 %/°C	
Electrical			
Discharge Time Constant(at room temp)	≥2000 sec	≥2000 sec	
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤100 ohm	≤100 ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Spectral Noise(1 Hz)	0.10 lb/√Hz	0.45 N/√Hz	[1]
Spectral Noise(10 Hz)	0.0304 lb/√Hz	0.14 N/√Hz	[1]
Spectral Noise(100 Hz)	0.00807 lb/√Hz	0.0360 N/√Hz	[1]
Spectral Noise(1 kHz)	0.00193 lb/√Hz	0.00862 N/√Hz	[1]
Output Polarity(Compression)	Positive	Positive	
Physical			
Stiffness	97 lb/μin	17 kN/μm	[1]
Size (Diameter x Height)	2.125 in x 0.750 in	53.9 mm x 19.0 mm	
Weight	9.9 oz	280 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	
Mounting Thread	1/4-28 Female	Not Applicable	

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)	Negative	Negative
W - Water Resistant Cable		
Electrical Connector	Sealed Cable	Sealed Cable
Electrical Connection Position	Side	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 080A81 Thread Locker (1)
 Model 081A06 Mounting stud, 1/4-28 to 1/4-28 x .37 in. long, BeCu, no shoulder (1)
 Model 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) (1)
 Model 084A36 Impact cap, convex (for Model 200C50) (1)
 Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1)

Entered: BLS	Engineer: BH	Sales: RWM	Approved: EB	Spec Number:
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[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.
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