

Performance	ENGLISH	SI	
Sensitivity(± 15 %)	1 mV/lb	224.82 mV/kN	
Measurement Range(Compression)	5000 lb	22.24 kN	
Maximum Static Force(Compression)	8000 lb	35.59 kN	
Broadband Resolution(1 to 10,000 Hz)	0.10 lb-rms	0.4448 N-rms	[1]
Low Frequency Response(-5 %)	0.0003 Hz	0.0003 Hz	[2]
Upper Frequency Limit	75 kHz	75 kHz	[3]
Non-Linearity	≤1 % FS	≤1 % FS	[4]
<b>Environmental</b>			
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Coefficient of Sensitivity	≤0.03 %/°F	≤0.054 %/°C	
<b>Electrical</b>			
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	
Output Polarity(Compression)	Positive	Positive	
<b>Physical</b>			
Stiffness	11 lb/μin	1.9 kN/μm	[1]
Size (Diameter x Height x Sensing Surface)	0.650 in x 0.360 in x 0.500 in	16.51 mm x 9.14 mm x 12.7 mm	
Weight	0.5 oz	14 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	10-32 Female	10-32 Female	

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.		
<b>N</b> - Negative Output Polarity		
Output Polarity(Compression)	Negative	Negative
<b>W</b> - Water Resistant Cable		
Electrical Connector	Sealed Cable	Sealed Cable
Electrical Connection Position	Side	Side

**NOTES:**  
 [1] Typical.  
 [2] Zero-based, least-squares, straight line method.  
 [3] Estimated using rigid body dynamics calculations.  
 [4] Calculated from discharge time constant.  
 [5] See PCB Declaration of Conformance PS023 for details.

**SUPPLIED ACCESSORIES:**  
 Model 080A81 Thread Locker (1)  
 Model 081B05 Mounting Stud (10-32 to 10-32) (1)  
 Model 084A83 Impact Pad (1)  
 Model M081A62 Mounting stud, 10-32 to M6 x 1, BeCu with shoulder (1)

Entered: <b>BLS</b>	Engineer: <b>BM</b>	Sales: <b>RWH</b>	Approved: <b>FB</b>	Spec Number:
Date: <b>2/10/09</b>	Date: <b>2/4/09</b>	Date: <b>2/4/09</b>	Date: <b>2/9/09</b>	<b>200-2050-80</b>



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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