

	ENGLISH	SI	
Performance			
Sensitivity(± 15 %)	0.14 mV/lb	31.47 mV/kN	
Measurement Range(Compression)	35,000 lb	155.69 kN	
Measurement Range(Tension)	12,000 lb	53.38 kN	
Maximum Static Force(Compression)	42,500 lb	189.05 kN	
Maximum Static Force(Tension)	15,000 lb	66.73 kN	
Broadband Resolution(1 to 10,000 Hz)	0.1 lb-rms	0.445 N-rms	[1]
Low Frequency Response(-5 %)	0.0003 Hz	0.0003 Hz	[2]
Upper Frequency Limit	6 kHz	6 kHz	[3]
Non-Linearity	≤ 1.5 % FS	≤ 1.5 % FS	[4]
Environmental			
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°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)	0.0204 lb/√Hz	0.0911 N/√Hz	[1]
Spectral Noise(10 Hz)	0.00986 lb/√Hz	0.0440 N/√Hz	[1]
Spectral Noise(100 Hz)	0.00328 lb/√Hz	0.0146 N/√Hz	[1]
Spectral Noise(1 kHz)	0.00110 lb/√Hz	0.00491 N/√Hz	[1]
Output Polarity(Compression)	Positive	Positive	
Physical			
Stiffness	6 lb/μin	1.05 kN/μm	[1]
Size (Diameter x Height)	1.58 in x 3.00 in	40.13 mm x 76.2 mm	
Weight	14.5 oz	412 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	3/4 - 16 Female	3/4 - 16 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.		
J - Ground Isolated		
M - Metric Mount		
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.

Entered: <i>BLS</i>	Engineer: <i>YJK</i>	Sales: <i>DPC</i>	Approved: <i>DYR</i>	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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