

	ENGLISH	SI	
Performance			
Sensitivity (± 15 %)	1.0 mV/lb	224.8 mV/kN	
Measurement Range (Compression)	5000 lb	22.24 kN	
Measurement Range (Tension)	500 lb	2.224 kN	
Maximum Static Force (Compression)	10,000 lb	44.48 kN	
Maximum Static Force (Tension)	750 lb	3.336 kN	
Broadband Resolution (1 to 10,000 Hz)	0.10 lb-rms	0.0004448 N-rms	
Low Frequency Response (-5 %)	0.0003 Hz	0.0003 Hz	[1]
Upper Frequency Limit	25 kHz	25 kHz	
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[2]
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	
Full Scale Output	+5 V	+5 V	
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	
Physical			
Stiffness	10 lb/μin	1.75 kN/μm	
Size (Diameter x Height)	1.00 in x 1.86 in	25.4 mm x 47.24 mm	
Weight	1.80 oz	51 gm	
Housing Material	Stainless Steel	Stainless Steel	
Impact Tip Material	17-4 SS	17-4 SS	
Sealing	Epoxy	Epoxy	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Top	Top	
Mounting Thread	No English Equivalent	M7 x 0.75 Male	

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.

NOTES:
[1] Calculated from discharge time constant.
[2] Zero-based, least-squares, straight line method.
[3] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
Model 084A45 Impact cap (1)

Entered: BLS	Engineer: DMS	Sales: MFC	Approved: MFC	Spec Number:
Date: 5/30/06	Date: 5/31/06	Date: 6/1/06	Date: 6-1-06	3613



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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