

Performance

	ENGLISH	SI	
Sensitivity (± 15 %)	1 mV/lb	224.8 mV/kN	
Measurement Range (Compression)	2500 lb	11.12 kN	
Maximum Static Force (Compression)	2500 lb	11.12 kN	
Broadband Resolution (1 to 10,000 Hz)	0.10 lb-rms	0.0004448 N-rms	[1]
Low Frequency Response (-5 %)	0.0003 Hz	0.0003 Hz	[2]
Upper Frequency Limit	18 kHz	18 kHz	
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[3]

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	
Output Polarity (Compression)	Positive	Positive	

Physical

Stiffness	5 lb/μin	0.88 kN/μm	[1]
Size (Diameter x Length)	0.500 in x 1.410 in	12.7 mm x 35.8 mm	
Weight	0.53 oz	15 gm	
Housing Material	Stainless Steel	Stainless Steel	
Impact Tip Material	Titanium	Titanium	
Sealing	O-Ring	O-Ring	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Axial	Axial	
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] Typical.
 [2] Calculated from discharge time constant.
 [3] Zero-based, least-squares, straight line method.
 [4] See PCB Declaration of Conformance PS023 for details.

Entered: BLS	Engineer: DMB	Sales: MFC	Approved: mj	Spec Number:
Date: 5/31/06	Date: 5/31/06	Date: 6/1/06	Date: 6-1-06	1686



[4]

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.

ICP® is a registered trademark of PCB Group, Inc.

PCB PIEZOTRONICS™
FORCE / TORQUE DIVISION

3425 Walden Avenue, Depew, NY 14043

Phone: 716-684-0001

Fax: 716-684-8877

E-Mail: force@pcb.com