

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 15 %)	0.25 mV/lb	56.2 mV/kN	
Measurement Range(Compression)	20,000 lb	88.96 kN	
Maximum Static Force(Compression)	30,000 lb	133.44 kN	
Broadband Resolution(1 to 10,000 Hz)	0.30 lb-rms	1.3 N-rms	[2]
Low Frequency Response(-5 %)	0.0003 Hz	0.0003 Hz	[3]
Upper Frequency Limit	40 kHz	40 kHz	[4]
Non-Linearity	≤1 % FS	≤1 % FS	[5]
Environmental			
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Coefficient of Sensitivity	≤0.08 %/°F	≤0.144 %/°C	
Electrical			
Discharge Time Constant(at room temp)	≥2000 sec	≥2000 sec	
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	[1]
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)	0.039 lb/√Hz	0.17 N/√Hz	[2]
Spectral Noise(10 Hz)	0.012 lb/√Hz	0.054 N/√Hz	[2]
Spectral Noise(100 Hz)	0.0034 lb/√Hz	0.015 N/√Hz	[2]
Spectral Noise(1 kHz)	0.00088 lb/√Hz	0.0039 N/√Hz	[2]
Output Polarity(Compression)	Positive	Positive	
Physical			
Stiffness	63 lb/μin	11 kN/μm	[2]
Size (Diameter x Height)	1.5 in x 0.5 in	38.1 mm x 12.7 mm	
Weight	3.1 oz	88 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] Minimum 25 VDC required for maximum output voltage.
 [2] Typical.
 [3] Calculated from discharge time constant.
 [4] Estimated using rigid body dynamics calculations.
 [5] Zero-based, least-squares, straight line method.
 [6] 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 084B23 Impact cap, convex (for Model 200C20) (1)
 Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1)

Entered: BLS	Engineer: BH	Sales: RNM	Approved: EB	Spec Number:
Date: 2/10/09	Date: 2/4/09	Date: 2/4/09	Date: 2/9/09	5889



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
---	--