

	ENGLISH	SI
Performance		
Sensitivity(± 15 %)	500 mV/lb	112,410 mV/kN
Measurement Range(Compression)	10 lb	0.04448 kN
Maximum Static Force(Compression)	150 lb	0.6672 kN
Broadband Resolution(1 to 10,000 Hz)	0.0002 lb-rms	0.0008896 N-rms
Low Frequency Response(-5 %)	0.01 Hz	0.01 Hz
Upper Frequency Limit	75 kHz	75 kHz
Non-Linearity	≤ 1 % FS	≤ 1 % FS
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)	≥ 50 sec	≥ 50 sec
Excitation Voltage	18 to 30 VDC	18 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 12 VDC	8 to 12 VDC
Output Polarity(Compression)	Positive	Positive
Physical		
Stiffness	11 lb/μin	1.9 kN/μm
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.		
N - Negative Output Polarity	Negative	Negative
Output Polarity(Compression)		
W - Water Resistant Cable	Sealed Cable	Sealed Cable
Electrical Connector	Side	Side
Electrical Connection Position		

NOTES:

[1] Sensor contains protected electronics which may cause long 'turn-on' times.
 [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 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: <i>JH</i>	Engineer: <i>ngl</i>	Sales: <i>KWD</i>	Approved: <i>EB</i>	Spec Number:
Date: <i>8-17-09</i>	Date: <i>7-29-09</i>	Date: <i>7-29-09</i>	Date: <i>7-29-09</i>	200-2010-80



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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