

	ENGLISH	SI	
Performance			
Sensitivity(± 15 %)	50 mV/lb	11,240 mV/kN	
Measurement Range(Compression)	100 lb	0.4448 kN	
Maximum Static Force(Compression)	600 lb	2.67 kN	
Broadband Resolution(1 to 10,000 Hz)	0.002 lb-rms	0.00890 N-rms	[1]
Low Frequency Response(-5 %)	0.006 Hz	0.006 Hz	[2]
Upper Frequency Limit	90 kHz	90 kHz	[3]
Non-Linearity	≤ 1 % FS	≤ 1 % 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)	≥ 120 sec	≥ 120 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			
Preload	100 lb	0.445 kN	
Stiffness	12 lb/μin	2.1 kN/μm	[1]
Size (Diameter x Height x Bolt Diameter x Sensing Surface)	0.650 in x 0.310 in x 0.25 in x 0.50 in	16.5 mm x 7.9 mm x 6 mm x 12.7 mm	
Size (ID)(Hole Diameter)	0.251 in	6.38 mm	
Size (OD)(Sensor)	0.650 in	16.51 mm	
Weight	0.35 oz	10 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	

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] 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.

SUPPLIED ACCESSORIES:
 Model 080A82 Assembly Lubricant (1)
 Model 081A11 Mounting Stud, 10-32 x 0.730, BeCu (1)
 Model 082B01 Anti-Friction Washer (1)
 Model 083B01 Pilot Bushing (1)
 Model M081A11 Mounting Stud, M5 x 0.8 x 0.730, BeCu (1)
 Model M083B01 Pilot Bushing (1)

Entered: omw	Engineer: ngz	Sales: hkw	Approved: EB	Spec Number:
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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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