

Performance	ENGLISH	SI	
Sensitivity(± 10 %)	10,000 mV/g	1019.4 mV/(m/s ²)	
Measurement Range	0.5 g pk	4.9 m/s ² pk	
Frequency Range(± 5 %)	0.15 to 700 Hz	0.15 to 700 Hz	
Frequency Range(± 10 %)	0.10 to 1,400 Hz	0.10 to 1,400 Hz	
Frequency Range(± 3 dB)	0.05 to 2,500 Hz	0.05 to 2,500 Hz	
Resonant Frequency	≥ 10 kHz	≥ 10 kHz	
Phase Response(± 5 °)	1 to 500 Hz	1 to 500 Hz	
Electrical Filter Corner Frequency	13.5 kHz	13.5 kHz	[1]
Electrical Filter Roll-off	6 dB/octave	6 dB/octave	[1]
Broadband Resolution(1 to 10,000 Hz)	0.000008 g rms	0.00008 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 7.0 %	≤ 7.0 %	
Environmental			
Overload Limit(Shock)	± 1,500 g pk	± 14,715 m/s ² pk	
Temperature Range	-50 to +180 °F	-45 to +82 °C	
Temperature Response	See Graph	See Graph	
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	< 1,500 Ohm	< 1,500 Ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	≥ 3.5 sec	≥ 3.5 sec	
Settling Time	< 60 sec	< 60 sec	
Spectral Noise(1 Hz)	1.30 µg/√Hz	12.7 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	0.32 µg/√Hz	3.1 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	0.13 µg/√Hz	1.3 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	0.10 µg/√Hz	1.0 (µm/sec ²)/√Hz	[1]
Electrical Isolation(Case)	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Hermetic	Hermetic	
Size - Height	1.26 in	32 mm	
Weight	27 oz	765 gm	[1]
Electrical Connection Position	Side	Side	
Mounting	Through Hole	Through Hole	

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:

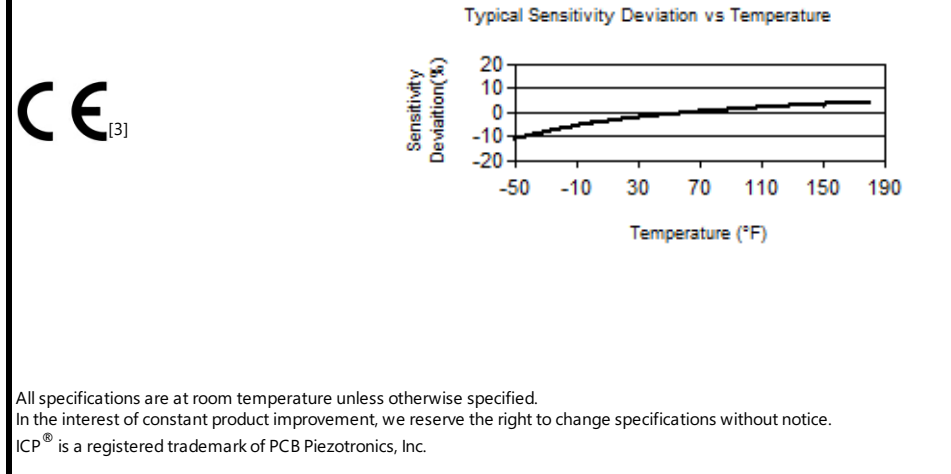
[1]Typical.
 [2]Zero-based, least-squares, straight line method.
 [3]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 081M269 Mounting Screw (M5x0.8, 37mm SHCS) (2)
 Model ACS-11T NIST traceable amplitude response calibration from 0.5 Hz to upper point. (1)

Entered: LK	Engineer: DK	Sales: RWM	Approved: BAM	Spec Number:
Date: 05/12/2020	Date: 05/12/2020	Date: 05/12/2020	Date: 05/12/2020	72714

PCB PIEZOTRONICS
 Phone: 716-684-0001
 Fax: 716-684-0987
 E-Mail: info@pcb.com
 3425 Walden Avenue, Depew, NY 14043



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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