

Performance
Sensitivity (± 5%)
Measurement Range
Frequency Range (± 5%)
Frequency Range (± 10%)
Frequency Range (± 3 dB)
Resonant Frequency
Broadband Resolution (1 to 10,000 Hz)
Non-Linearity
Transverse Sensitivity
Environmental
Overload Limit (Shock)
Temperature Range
Temperature Response
Electrical
Settling Time (within 1% of bias)
Discharge Time Constant
Excitation Voltage
Constant Current Excitation
Output Impedance
Output Bias Voltage (at 4 mA)
Spectral Noise (10 Hz)
Spectral Noise (100 Hz)
Spectral Noise (1 kHz)
Electrical Isolation

ENGLISH
100 mV/g
± 50 g
30 to 240,000 cpm
22 to 360,000 cpm
12 to 600,000 cpm
1380 kcpm
200 µg
± 1%
≤ 5%
2000 g pk
-65 to +325 °F
See Graph
≤ 8 sec
≥ 1.0 sec
18 to 28 VDC
2 to 10 mA
<250 ohm
8 to 15 VDC
10 µg/√Hz
6.0 µg/√Hz
1.5 µg/√Hz
>10⁸ ohm
1.36 in x 1.13 in
5.1 oz
1/4-28 UNF
2 to 5 ft-lb
Ceramic
Shear
Stainless Steel
Welded Hermetic
MIL-C-5015
Side

SI
10.2 mV/(m/s²)
± 490 m/s²
0.5 to 4000 Hz
0.37 to 6000 Hz
0.2 to 10,000 Hz
23 kHz
1962 µm/s²
± 1%
≤ 5%
19,620 m/s² pk
-54 to +163 °C
See Graph
≤ 8 sec
≥ 1.0 sec
18 to 28 VDC
2 to 10 mA
<250 ohm
8 to 15 VDC
98.1 (µm/s²)/√Hz
58.9 (µm/s²)/√Hz
14.7 (µm/s²)/√Hz
>10⁸ ohm
35 mm x 29 mm
145 gm
No Metric Equivalent
2.7 to 6.8 N-m
Ceramic
Shear
Stainless Steel
Welded Hermetic
MIL-C-5015
Side

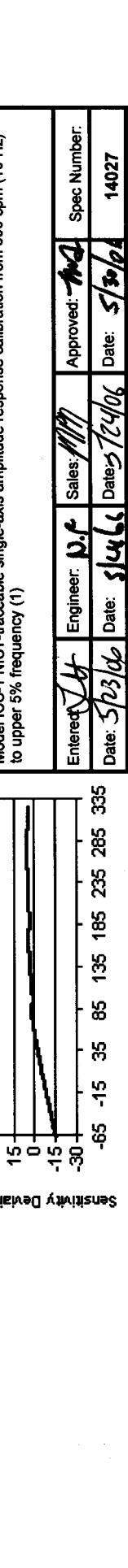
Physical
Size (Diameter x Height)
Weight
Mounting Thread
Mounting Torque
Sensing Element
Sensing Geometry
Housing Material
Sealing
Electrical Connector
Electrical Connection Position

[4] [5][6] [3] [7] [3] [1] [2] [3] [3] [3] [8]

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.
M - Metric Mount
Supplied Accessory: Model M081A73 Mounting Bolt M6 x 1.00 (1) replaces Model 081A73

NOTES:
[1] Maximum of 4 mA is recommended at temperatures above 250 °F (121 °C).
[2] Bias voltage increases with higher constant current.
[3] Typical.
[4] Conversion Factor 1g = 9.81 m/s².
[5] 1Hz = 60 cpm (cycles per minute).
[6] The high frequency tolerance is accurate within ±10% of the specified frequency.
[7] Zero-based, least-squares, straight line method.
[8] 1/4-28 has no equivalent in S.I. units.

SUPPLIED ACCESSORIES:
Model 081A73 Captive mounting bolt, 1/4-28 x 1.34" (1)
Model ICS-1 NIST-traceable single-axis amplitude response calibration from 800 cpm (10 Hz) to upper 5% frequency (1)



Entered: J.H. Engineer: P.F. Sales: M.M. Approved: [Signature] Spec Number: 14027
Date: 5/23/06 Date: 5/24/06 Date: 5/30/06

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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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