

DYNAMIC PERFORMANCE

	ENGLISH	SI	
Sensitivity (±5%)	10 mV/g	1,02 mV/(m/s ²)	[1]
Measurement Range	±500 g	±4 905 m/s ²	
Frequency Range: (±5%)	60 - 420,000 cpm	60 - 420 000 cpm	[2] [3]
(±10%)	42 - 660,000 cpm	42 - 660 000 cpm	
(±3 dB)	21 - 1,200,000 cpm	21 - 1 200 000 cpm	
Mounted Resonant Frequency	2,280 kcpm	2 280 kcpm	[4]
Amplitude Linearity	±1%	±1%	[5]
Transverse Sensitivity	≤5%	≤5%	

ENVIRONMENTAL

Shock Limit	10,000 g pk	98 100 m/s ² pk
Temperature Range	-65 to +250 °F	-54 to +121 °C
Temperature Response	See Graph	See Graph

ELECTRICAL

Discharge Time Constant	≥0.5 sec	≥0,5 sec	
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current	2 to 20 mA	2 to 20 mA	
Output Impedance	<100 ohms	<100 ohms	
Output Bias	8 to 12 VDC	8 to 12 VDC	
Broadband Electrical Noise (1-10 kHz)	4 mg	39 mm/s ²	[4]
Spectral Noise: (1 Hz)	3,200 µg/√Hz	31 392 (µm/s ²)/√Hz	[4]
(10 Hz)	700 µg/√Hz	6 867 (µm/s ²)/√Hz	[4]
(100 Hz)	180 µg/√Hz	1 766 (µm/s ²)/√Hz	[4]
(1 kHz)	64 µg/√Hz	628 (µm/s ²)/√Hz	[4]

MECHANICAL

Size: (hex x height)	0.50 x 1.14 in	12,7 x 29,0 mm	
Weight	0.38 oz	10,5 gm	
Mounting Thread (female)	10-32 UNF	Not Applicable	[6]
Mounting Torque	10 to 20 in-lb	113 to 225 N-cm	
Sensing Element/Geometry	Quartz/Shear	Quartz/Shear	
Case Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Connector Type/Position	10-32 Coaxial/Top	10-32 Coaxial/Top	

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.

-None-

NOTES:

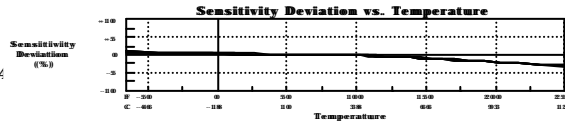
- [1] Conversion Factor 1g = 9,81 m/s².
- [2] 1 Hz = 60 cpm (cycles per minute).
- [3] The high frequency tolerance is accurate within ±10% of the specified frequency.
- [4] Typical value.
- [5] Zero based best straight line method.
- [6] 10-32 has no equivalent in S.I. units.

SUPPLIED ACCESSORIES:

- 10-32 UNF Mounting Stud (1)
- Adhesive Mounting Base (1)
- Petro Wax Sample (1)
- Calibration Card (3 Point Calibration) with Reference at 100 Hz
- 10 Foot Low Noise Cable, 10-32 to 10-32 Connectors



835 INNOVATION DRIVE
KNOXVILLE, TENNESSE 37932-2424
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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.

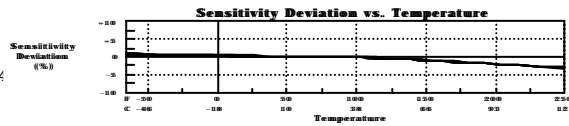
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Form DD030 Rev.D 7/25/96

Drawn:	Engineer:	Sales:	Approved:	Spec Number:
Date:	Date:	Date:	Date:	4582



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