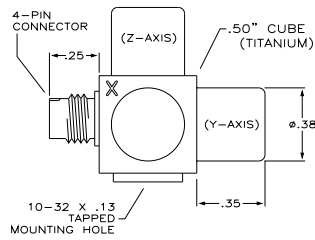


Model 3000A

Miniature Triaxial Accelerometer



FEATURES

- 10 mV/g Per Axis
- Exceptionally low 15 micro-volt noise floor
- .48 oz / 13.6 gram total weight
- Titanium construction

APPLICATIONS

- For single Point Monitoring in three axis
- Any location where small size and weight are important
- Aircraft, space vehicles, laboratories

OPERATING SPECIFICATIONS

Dynamic

Sensitivity @ 100 Hz, ± 5%	10 mV/g - 1.02 mV/(m/s ²)
Frequency Range ± 5%	3 Hz - 7 kHz
Frequency Range ± 10%	2 Hz - 8 kHz
Frequency Range ± 3 dB	1 Hz - 10 kHz
Turn-On Time (2% of Final Bias)	< 5 Seconds
Amplitude Range (@ 72°F)	± 500 g
Mounted Resonance	> 25 kHz
Transverse Sensitivity	< 5%

Electrical

Noise Broadband 2.5 Hz to 25 kHz	1500 µg (rms)
Noise Spectral 10 Hz	100 µg/√Hz
Noise Spectral 100 Hz	25 µg/√Hz
Noise Spectral 1000 Hz	10 µg/√Hz
Output Impedance	1000 Ω
Isolation	Isolated, > 100 Meg Ω
Noise Rejection (EMI/RFI)	> 52 dB
Bias Volts	7 VDC
Power Requirements	15-30 VDC
Current Regulating Diode	2-6 mA cc

Environmental

Temperature Range	-40 to 250°F / -40 to 121°C
Base Strain	0.005 g peak/µstrain
Shock Limit	5,000 g

Physical

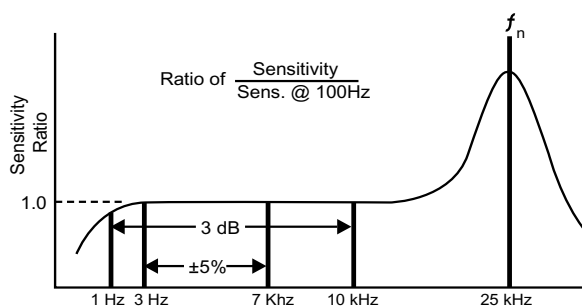
Dimensions	.85" h x .85" w x 1.1" d (2.1 cm x 2.1 cm x 2.8 cm)
Weight	0.48 oz / 13.6 grams
Case Material	Titanium
Design	Isolated Compression
Seal	Splashproof Epoxy
Mounting	10-32 Removable Stud
Mounting Torque	20 in-lb (2.2 N-m)
Connector	Side 4-Pin

ORDERING INFORMATION AND ACCESSORIES

Model 3000A, Mfr. Part No. 3000A-5015	
Cable, 4-pin (F) to (3)-10-32 coaxial	9356232

Sensors include

- NIST Traceable Calibration
- Mounting Stud
- User Manual
- 1-Year Warranty



WORLDWIDE HEADQUARTERS:
195 Clarksville Rd •
Princeton Jct, NJ 08550 • USA
T: +1.609.716.4000 • F: +1.609.716.0706
E-MAIL: sales.systems@mistrasgroup.com

CANADA T: +1.403.556.1350
CHINA T: +86.10.5877.3672
FRANCE T: +331.498.26040
GERMANY T: +49.040.2000.4025
GREECE T: +30.210.2846.801

HOLLAND T: +31.010.245.0325
INDIA T: +91.22.2586.2444
JAPAN T: +81.33.498.3570
MIDDLE EAST T: +44(0)1954.231.612
RUSSIA T: +7495.789.4549

SCANDINAVIA T: +46(0)31.252040
S. AMERICA T: +55.11.3082.5111
UK T: +44(0)1954.231.612