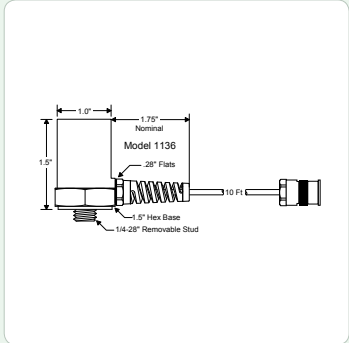


Model 1136

Economy General Purpose Accelerometer



DESCRIPTION AND FEATURES

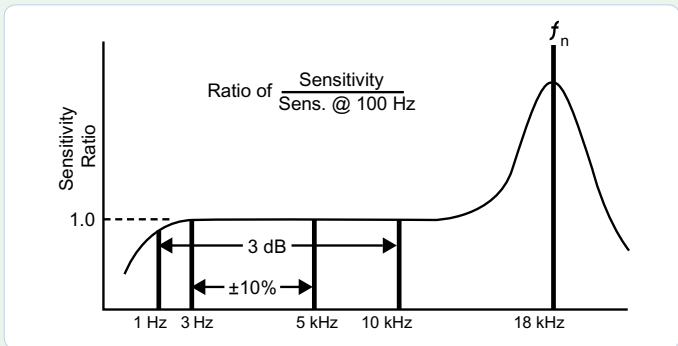
Model 1136 accelerometers offer high reliability in industrial environments. These sensors have an integral PVC cable that provides strain relief for superior flex and pull strength.

Low profile design, thermal boot and watertight construction make these sensors perfect for moderate to harsh applications. All models include a 1/4-28 removable mounting stud to facilitate installation.

- Integral Strain-Relieved Cable
- Low Profile Design
- Thermal Boot

APPLICATIONS

- General Industrial
- Motors/Generators
- Pumps
- Gearboxes
- Rollers
- Experimental
- Fans/Cooling Towers
- Bearing Housings
- Compressors



OPERATING SPECIFICATIONS

Dynamic

Sensitivity @ 100 Hz, ± 12% 100 mV/g - 10.2 mV/(m/s²)
 Frequency Range ± 10% 3 Hz - 5 kHz
 Frequency Range ± 3 dB 1 Hz - 10 kHz
 Turn-On Time..... < 2 Seconds
 Amplitude Range ± 70 g
 Mounted Resonance 18 kHz
 Transverse Sensitivity < 5%

Electrical

Noise Broadband 2.5 Hz to 25 kHz 250 µg (rms)
 Noise Spectral 10 Hz..... 12 µg/√Hz
 Noise Spectral 100 Hz..... 5 µg/√Hz
 Noise Spectral 1000 Hz..... 2 µg/√Hz
 Output Impedance (nominal)..... 100 Ω
 Isolation..... Isolated, > 100 Meg Ω
 Noise Rejection (EMI/RFI) > 52dB
 Bias Volts (nominal)..... 12 VDC
 Power Requirements 24-30 VDC
 Current Regulating Diode 2-6 mA cc

Environmental

Temperature Range -10 to 200°F / -20 to 95°C
 Base Strain..... .008 g peak/µstrain
 Shock Limit 5,000 g

Physical

Dimensions..... 1.5" h x 1" hex (3.8 x 2.5 cm)
 Weight 1.7 oz / 50 grams (plus cable)
 Case Material..... 6061 AL with Al₂O₃ Chemical Resistant Coating
 Design..... Isolated Compression
 Seal..... Waterproof
 Mounting 1/4-28 Removable Stud
 Mounting Torque..... 35 in-lb (3.9 N-m)

ORDERING INFORMATION AND ACCESSORIES

Model 1136 (Pigtail, Side), Mfr. Part No. 9356378
 Model 1136B (BNC, Side), Mfr. Part No. 9356528

Sensors include

- NIST Traceable Calibration
- 10' Integral Cable Assembly
- Mounting Stud
- Thermal Boot
- 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