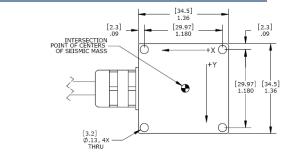
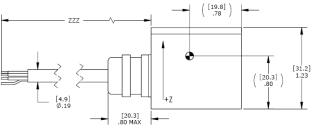






DIMENSIONS





WIRE DESIGNATIONS: WHITE = INPUT (EXCITATION)
BROWN = OUTPUT X AXIS
GREEN = OUTPUT Y AXIS
PINK = OUTPUT Z AXIS
YELLOW = COMMON (CIRCUIT GROUND)
GRAY = NO CONNECTION

MODEL 4332 ACCELEROMETER

SPECIFICATIONS

- **MEMS Triaxial Accelerometer**
- **Temperature Calibrated**
- **IP68 Protection**
- Low Noise, High Resolution

The Model 4332 is a low noise triaxial accelerometer offering both static and dynamic response. The accelerometer is packaged in an anodized aluminum housing and is offered in ±2g to ±20g range. The model 4332 features an integral cable and is certified to IP68 protection. The accelerometer incorporates a 50Hz LP filter and an operating temperature range of -40°C to +85°C.

FEATURES

- Micro-g Resolution
- Three Independent Circuits
- Low Current Consumption
- ±2g to ±20g Dynamic Range
- DC Response
- Temperature Compensation

APPLICATIONS

- **Transportation Measurements**
- Structural Monitoring
- **Bridge Monitoring**
- Low Frequency Applications
- Motion Analysis

PERFORMANCE SPECIFICATIONS

All values are typical at +24°C, 10Hz and 12Vdc excitation unless otherwise stated. Measurement Specialties reserves the right to update and change these specifications without notice.

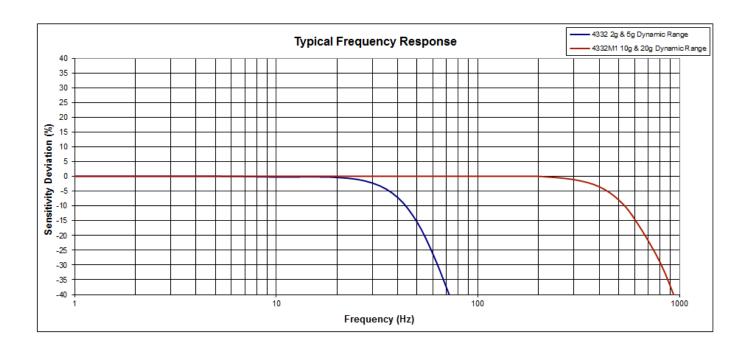
Parameters DYNAMIC Model Number	4332-002	4332-005	4332M1-010	4332M1-020	Notes
Range (g) Sensitivity (mV/g) Frequency Response (Hz) -3dB Cutoff Frequency (Hz) Rolloff Above Cutoff Frequency (dB/dec) Natural Frequency (Hz) Non-Linearity & Hysteresis (%FSO)	±2 1000 0-20 50 +20/-0 -40 700 ±0.5	±5 400 0-20 50 +20/-0 -40 800 ±0.5	±10 200 0-200 800 ±50 -40 1000 ±0.5	±20 100 0-200 800 ±50 -40 1500 ±0.5	±10% ±5%
Transverse Sensitivity (%) Damping Ratio Shock Limit (g)	<3 0.7 5000	<3 0.7 5000	<3 0.7 5000	<3 0.7 5000	<2 Typical
Residual Noise (μV RMS) Residual Noise (μg/√Hz RMS)	80 8	50 13	200 71	200 141	0.1 to 100Hz Spectral
ELECTRICAL Zero Acceleration Output (V) Excitation Voltage (Vdc) Excitation Current (mA) Full Scale Output Voltage Swing (Vdc) Output Impedance (Ω) Insulation Resistance (M Ω) Turn On Time (msec) Ground Isolation	2.5 ±0.1 5 to 30 <15 0.5 to 4.5 <100 >100 <100 Isolated from	m Mounting Su	rface		@100Vdc
ENVIRONMENTAL Thermal Zero Shift (%FSO/°C) Thermal Sensitivity Shift (%/°C) Operating Temperature (°C) Compensated Temperature (°C) Storage Temperature (°C) Humidity	±0.04 ±0.04 -40 to 85 0 to 65 -40 to 85 IP68, 40m [Depth			0 to +65°C 0 to +65°C
PHYSICAL Case Material Cable Weight (grams) Mounting Mounting Torque AWG (model 4332)	Anodized Aluminum PVC Insulated Leads, Braided Shield, PVC Jacket <100 4x #4 or M3 Screws 6 lb-in (0.7 N-m) 6x 0.14 mm ²				

Calibration supplied: CS-FREQ-0100 NIST Traceable Amplitude Calibration from 1Hz to 100Hz

Supplied accessories: 4x #4-40 (1 ½" length) Socket Head Cap Screw and Washer

Optional accessories: 121 3-Channel Precision Low Noise DC Amplifier

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ORDERING INFORMATION

PART NUMBERING Model Number+Range+ Cable Length

4332-GGG-CCC

I I ____Cable Length (-120 is 120 inches)
I I_____ Range (002 is 2g)

__Model (4332 for 2g & 5g range, 4332M1 for 10g & 20g range)

Example: 4332-002-120

Model 4332, 2g, 120" Cable

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