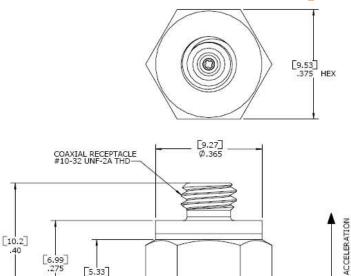


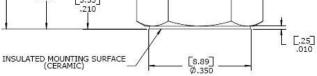
AUTHORIZED DISTRIBUTOR

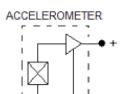




DIMENSIONS







MODEL 7108A ACCELEROMETER

SPECIFICATIONS

- **IEPE Accelerometer**
- Wide Bandwidth to 10kHz
- + **10-32 Top Connector**
- Miniature, Adhesive Mount +

The Model 7108A is a miniature adhesive mount IEPE accelerometer available in ±50g to ±500g dynamic ranges. The accelerometer features a welded hermetic stainless steel construction with a 10-32 top connector. The model 7108A incorporates a stable piezo-ceramic crystal in annular shear mode, installed with a compression ring that eliminates the usage of epoxies that can affect long term stability. The accelerometer has an operating range of -55°C to +125°C and a flat frequency response to 10kHz.

FEATURES

- ±50g to ±500g Dynamic Range
- Wide bandwidth up to 10kHz
- Welded Stainless Steel
- Hermetically Sealed +
- -55°C to +125°C Operating Range +
- Annular Shear Mode
- Isolated from Mounting Surface

APPLICATIONS

- Vibration & Shock Monitoring ٠
- Laboratory Testing
- Modal Applications
- **High Frequency Applications**

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PERFORMANCE SPECIFICATIONS

All values are typical at +24°C, 80Hz and 4mA excitation unless otherwise stated. Measurement Specialties reserves the right to update and change these specifications without notice.

Parameters DYNAMIC Range (g) Sensitivity (mV/g) Frequency Response (Hz) Frequency Response (Hz) Natural Frequency (Hz) Non-Linearity (%FSO) Transverse Sensitivity (%) Shock Limit (g)	±50 100 1-8000 0.5-10000 32000 ±1 <5 5000	±500 10 1-8000 0.5-10000 32000 ±1 <5 5000	Notes ±10% ±10% ±2dB
ELECTRICAL Compliance Voltage (Vdc) Excitation Current (mA) Bias Voltage (Vdc) Bias Voltage (Vdc) Output Impedance (Ω) Full Scale Output Voltage (Residual Noise (g RMS) Discharge Time Constant (s Ground Isolation	0.0004 sec) 0.8 to 1.2	18 to 30 2 to 10 8 to 12 6 to 14 <100 ±5 0.0008 n Mounting Surface	Room Temperature -55 to +125°C Broadband 1Hz to 10kHz
ENVIRONMENTALTemperature Response (%)See TypicalOperating Temperature (°C)-55 to +125Storage Temperature (°C)-55 to +125HumidityHermetically		Temperature Response Curve	
PHYSICAL Sensing Element Case Material Electrical Connector Weight (grams) Mounting	Ceramic (shear mode) Stainless Steel 10-32 Coaxial Receptacle 3.6 Adhesive		
Calibration supplied:	CS-FREQ-0100	NIST Traceable Amplitude Calibration from 20Hz to $\pm 2dB$ Frequency Response Limit	
Optional accessories:	310-XXX 314-XXX 161A	Cable Assembly, 10-32 to 10-32 (XXX designates length in inches, 10ft standard) Cable Assembly, 10-32 to BNC (XXX designates length in inches, 10ft standard) 4-Channel PE & IEPE Signal Conditioner	

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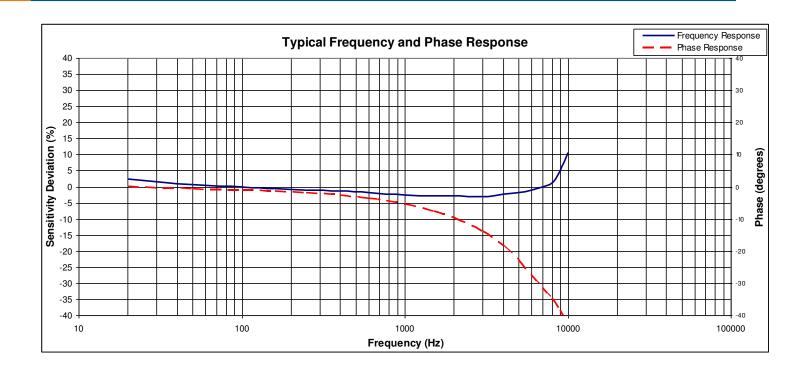
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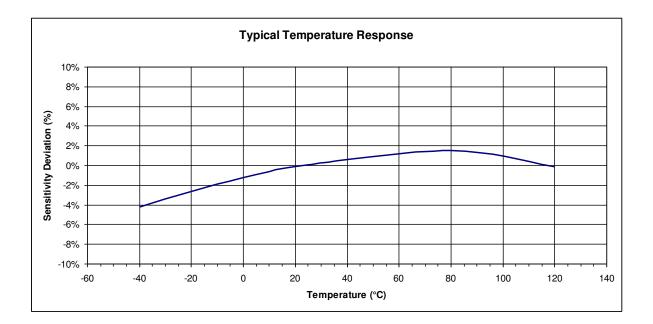
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ORDERING INFORMATION

PART NUMBERING Model Number+Range

7108A-GGGG

Range (0050 is 50g)

Example: 7108A-0050 Model 7108A, 50g

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