Model 7108A Accelerometer

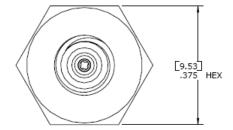


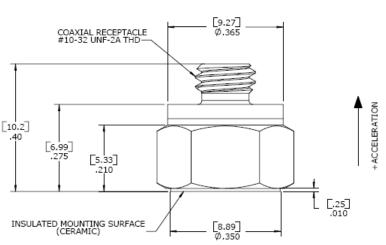
IEPE Accelerometer Wide Bandwidth to 10kHz 10-32 Top Connector Miniature, Adhesive Mount

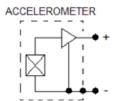
The Model 7108A is a miniature adhesive mount IEPE accelerometer available in ±50g to ±500g dynamic ranges. The accelerometer features a welded hermetic stainless steel construction with a 10-32 top connector. The model 7108A incorporates a stable piezo-ceramic crystal in annular shear mode, installed 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.



dimensions







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
- Laboratory Testing
- Modal Applications
- High Frequency Applications

Model 7108A Accelerometer



performance specifications

All values are typical at +24°C, 100Hz and 4mA excitation unless otherwise stated. Measurement Specialties reserves the right to update and change these specifications without notice. Standard product parameters are described in PSC-1003 for Plug & Play AC Accelerometers.

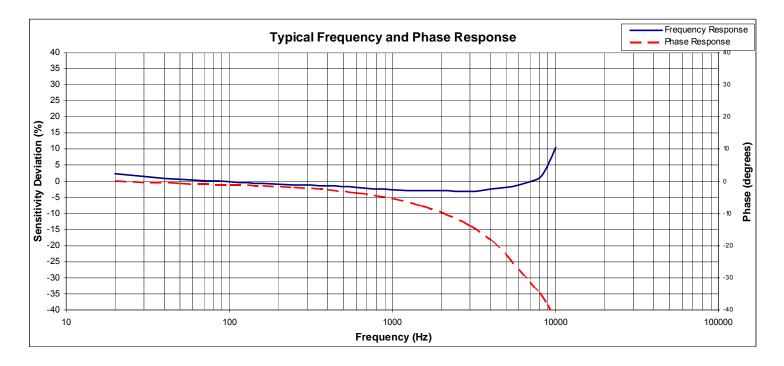
Parameters DYNAMIC Range (g) Sensitivity (mV/g) Frequency Response (Hz) Frequency Response (Hz) Natural Frequency (Hz) Non-Linearity (%FSO) Transverse Sensitivity (%) Shock Limit (g)	±50 100 1-8000 0.5-10000 32000 ±1 <5 5000	±500 10 1-8000 0.5-10000 32000 ±1 <5 5000	Notes ±10% ±10% ±2dB	
ELECTRICAL Compliance Voltage (Vdc) Excitation Current (mA) Bias Voltage (Vdc) Bias Voltage (Vdc) Output Impedance (Ω) Full Scale Output Voltage (V) Residual Noise (g RMS) Discharge Time Constant (see Ground Isolation	0.0004 c) 0.8 to 1.2	18 to 30 2 to 10 8 to 12 6 to 14 <100 ±5 0.0008	Room Temperature -55 to +125°C Broadband 1Hz to 10kHz	
ENVIRONMENTAL Temperature Response (%) Operating Temperature (°C) Storage Temperature (°C) Humidity	See Typica -55 to +129 -55 to +129 Hermetical	5		
PHYSICAL Sensing Element Case Material Electrical Connector Weight (grams) Mounting	Stainless S			
Calibration supplied:	CS-FREQ-0100	Q-0100 NIST Traceable Amplitude Calibration from 20Hz to ±2dB Frequency Response Limit		
Optional accessories:	310-XXX 314-XXX	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)		

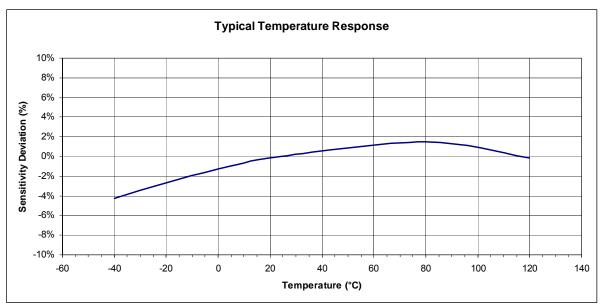
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Model 7108A Accelerometer

performance specifications





ordering info



7108A-GGGG

Example: 7108A-0050 Model 7108A, 50g 北京赛斯维测控技术有限公司 北京市朝阳区望京西路48号 金隅国际D座302 电话: +86 010 8477 5646 传真: +86 010 5894 9029 邮箱: <u>sales@sensorway.cn</u>

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