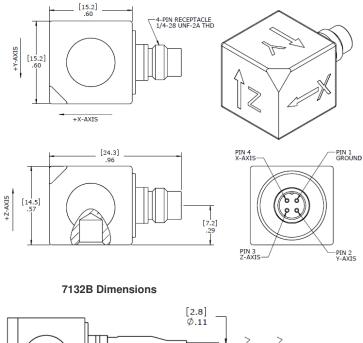


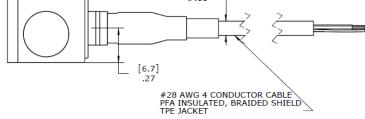
7132A Pictured



DIMENSIONS

7132A Dimensions





MODEL 7132A & 7132B ACCELEROMETER

SPECIFICATIONS

- Triaxial IEPE Accelerometer
- Miniature Cube
- Hermetically Sealed, Titanium
- ±10g to ±2000g Dynamic Ranges

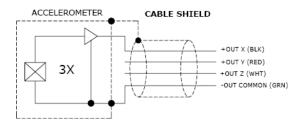
The Model 7132A is a miniature triaxial IEPE accelerometer available in ± 10 g to ± 2000 g dynamic ranges. The accelerometer features a hermetically sealed titanium construction with a 4-pin Microtech connector interface. The model 7132A incorporates stable piezo-ceramic crystals in annular shear mode which provide a flat frequency response up to >12kHz. The model 7132B offers identical performance with an integral cable option.

FEATURES

- -55°C to +125°C Operating Range
- Wide bandwidth up to 12kHz
- Adhesive Mounting
- Miniature Triaxial
- Annular Shear Mode Crystals
- Stable Temperature Response

APPLICATIONS

- Vibration & Shock Monitoring
- Laboratory Testing
- Modal Applications
- High Frequency Applications
- General Purpose Usage
- Stress Screening



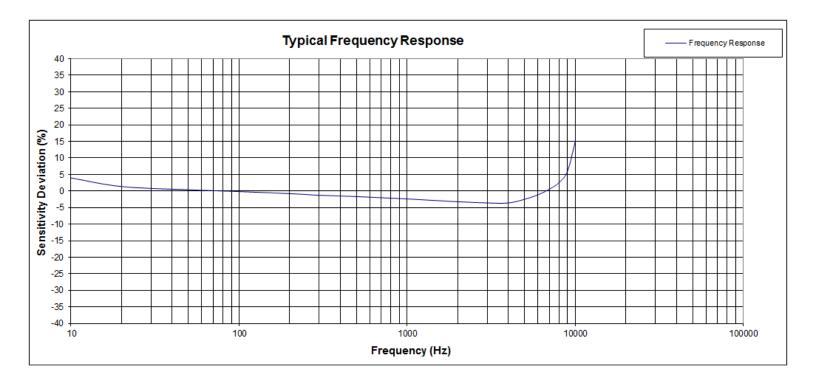
Tel:+86-20-34387714

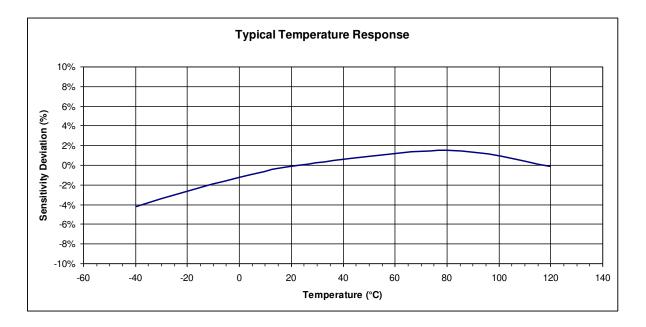
PERFORMANCE SPECIFICATIONS

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) Residual Noise (g RMS)	±10 500 2-6000 1.5-8000 37000 ±1 <5 5000 0.0003	±50 100 1-7000 0.4-9000 37000 ±1 <5 5000 0.0005	±100 50 1-7000 0.4-9000 37000 ±1 <5 5000 0.0006	±500 10 1-8000 0.4-10000 37000 ±1 <5 5000 0.001	±2000 2.5 1-10000 0.4-12000 42000 ±1 <5 5000 0.0025	Notes ±10% ±10% ±2dB Broadband 1Hz to 10kHz
ELECTRICAL Compliance Voltage (Vdc) Excitation Current (mA) Bias Voltage (Vdc) Bias Voltage (Vdc) Output Impedance (Ω) Full Scale Output Voltage (Discharge Time Constant (s Ground Isolation		ded				Room Temperature -55 to +125°C
ENVIRONMENTAL Temperature Response (%) Operating Temperature (°C) Storage Temperature (°C) Humidity						
PHYSICAL Sensing Element Case Material Electrical Connector Weight Mounting	Titanium 7132A; 4-Pi 7132B; 4x # 15grams (50	Ceramic (shear mode) Titanium 7132A; 4-Pin Receptacle 7132B; 4x #28 AWG Conductors, Braided Shield, TPE Jacket 15grams (50g-2000g ranges), 20grams (10g range) Adhesive (stud mount option)				
Calibration supplied:	CS-FREQ-0100	NIST Traceable Amplitude Calibration from 20Hz to \pm 2dB Frequency Response Limit				
Optional accessories:	315-XXX 161A AC-A03530	Cable Assembly, 4-pin ¼-28 to 3x BNC (XXX designates length in inches, 10ft standard) 4-Channel PE & IEPE Signal Conditioner Magnetic Mounting Adaptor (for -02 thread option)				

The information in this sheet has been carefully reviewed and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Furthermore, this information does not convey to the purchaser of such devices any license under the patent rights to the manufacturer. Measurement Specialties, Inc. reserves the right to make changes without further notice to any product herein. Measurement Specialties, Inc. makes no warranty, representation or guarantee regarding the suitability of its product for any particular purpose, nor does Measurement Specialties, Inc. assume any liability arising out of the application or use of any product or circuit and specifically disclaims any and all liability, including without limitation consequential or incidental damages. Typical parameters can and do vary in different applications. All operating parameters must be validated for each customer application by customer's technical experts. Measurement Specialties, Inc. does not convey any license under its patent rights nor the rights of others.





ORDERING INFORMATION

PART NUMBERING Model Number+Range

7132A-GGGG-XX		
I I I Optional Thread Dash Number	Dash Number	Thread Options
I I Range (0050 is 50g)	-01	M5 x 0.8 6g
Connection Option (A for 4-pin Microtech, B for integral cable)	-02	#10-32 UNF-2B
	-03	Case Isolated
vample: 7132A_0050		

Example: 7132A-0050 Model 7132A, 4-Pin Microtech Connector, 50g Range