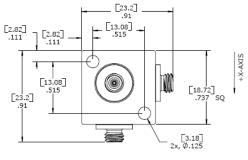
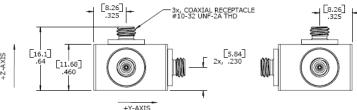






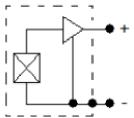
DIMENSIONS





SCHEMATIC (EACH CHANNEL)

ACCELEROMETER



MODEL 7130A ACCELEROMETER

SPECIFICATIONS

- Triaxial IEPE Accelerometer
- Wide Bandwidth to 9kHz
- Hermetically Sealed
- Annular Shear Mode

The Model 7130A is a triaxial IEPE accelerometer available in ±50g to ±500g dynamic ranges. The accelerometer features three independent welded stainless steel assemblies incorporated into a hard anodized aluminum housing. The model 7130A 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 9kHz.

FEATURES

- ±50g to ±500g Dynamic Range
- Wide bandwidth up to 9kHz
- Isolated Aluminum Housing
- Independent Channels
- Annular Shear Mode Crystals
- Stable Temperature Response

APPLICATIONS

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

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.

		Notes
±50	±500	
100	10	±10%
1-7000	1-7000	±10%
0.5-9000	0.5-9000	±2dB
32000	32000	
±1	±1	
<5	<5	
5000	5000	
18 to 30	18 to 30	
8 to 12	8 to 12	Room Temperature
6 to 14	6 to 14	-55 to +125°C
<100	<100	
±5	±5	
0.0004	0.0008	Broadband 1Hz to 10kHz
0.8 to 1.2		
Isolated from Mounting Surface by Aluminum Case		
	100 1-7000 0.5-9000 32000 ±1 <5 5000 18 to 30 2 to 10 8 to 12 6 to 14 <100 ±5 0.0004 0.8 to 1.2	100 10 1-7000 1-7000 0.5-9000 0.5-9000 32000 32000 ±1 ±1 ±1 <5 <5 <5 5000 5000 18 to 30 18 to 30 2 to 10 2 to 10 8 to 12 8 to 12 6 to 14 6 to 14 <100 <100 ±5 ±5 0.0004 0.0008 0.8 to 1.2

ENVIRONMENTAL

Temperature Response (%) See Typical Temperature Response Curve

Operating Temperature (°C) -55 to +125 -55 to +125 Storage Temperature (°C)

Humidity Hermetically Sealed

PHYSICAL

Sensing Element Ceramic (shear mode) Case Material Hard Anodized Aluminum 10-32 Coaxial Receptacle **Electrical Connector**

Weight (grams) 15

2x #4 or M3 Screws Mounting Mounting Torque 6 lb-in (0.7 N-m)

Supplied accessories: 2x #4-40 (5/8 length) Socket Head Cap Screw and Washer

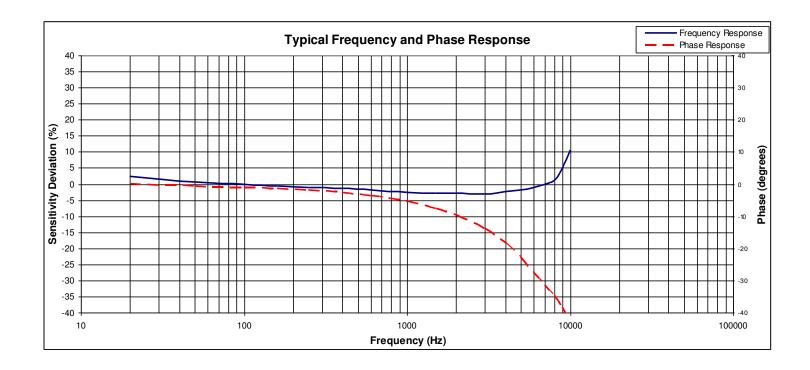
Calibration supplied: CS-FREQ-0100 NIST Traceable Amplitude Calibration from 20Hz to ±2dB Frequency Response Limit

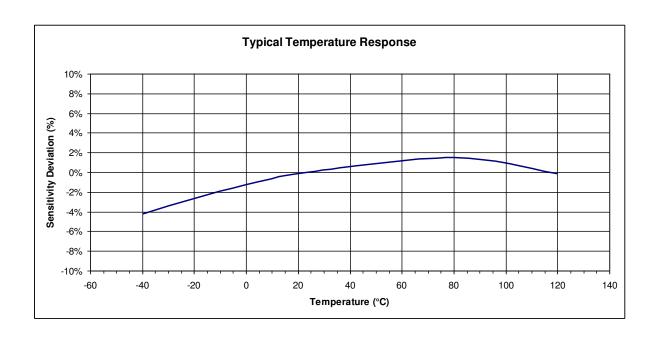
Cable Assembly, 10-32 to 10-32 (XXX designates length in inches, 10ft standard) Optional accessories: 310-XXX

314-XXX Cable Assembly, 10-32 to BNC (XXX designates length in inches, 10ft standard)

161A 4-Channel PE & IEPE Signal Conditioner

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ORDERING INFORMATION

PART NUMBERING Model Number+Range

7130A-GGGG I I_____ Range (0050 is 50g)

Example: 7130A-0050

Model 7130A, 50g

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