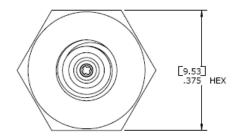


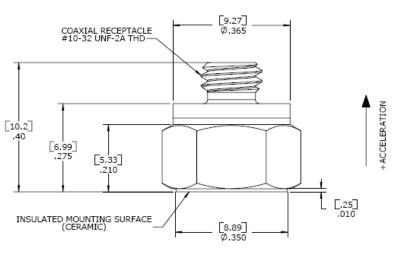
+200°C Charge Output Accelerometer 5.6pC/g Output, 7kHz Bandwidth Hermetically Sealed Miniature, Adhesive Mount

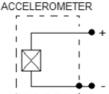
The Model 7508A is a miniature piezoelectric charge mode accelerometer designed for high frequency vibration and shock measurements at temperatures up to +200°C. The accelerometer incorporates an annular shear mode crystal installed with a compression ring that eliminates the usage of epoxies that can affect long term stability at elevated temperatures. Featuring a nominal charge output of 5.6pC/g, the model 7508A offers a high signal to noise ratio in a miniature adhesive mount package.



dimensions





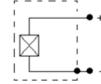


FEATURES

- Wide bandwidth up to 7kHz
- -73°C to +200°C Operating Range
- Stainless Steel Housing
- Annular Shear Mode .
- Adhesive Mounting .
- Isolated from Mounting Surface

APPLICATIONS

- Vibration & Shock Monitoring
- **High Temp Applications**
- Flight Testing
- **High Frequency Applications** .
- Small Structures Monitoring



Model 7508A Accelerometer



performance specifications

All values are typical at +24°C, 100Hz 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 Sensitivity (pC/g) Sensitivity (pC/g) Frequency Response (Hz) ² Frequency Response (Hz) ² Natural Frequency (Hz) Non-Linearity (%FSO) Transverse Sensitivity (%) Dynamic Range (g) ¹ Shock Limit (g)	5.6 4.0 1-5000 0.3-7000 32000 ±1/1000g <5 ±4000 10000		Notes Typical Minimum ±10% ±2dB
ELECTRICAL Capacitance (pF) Insulation Resistance (MΩ) Ground Isolation	560 >100 Isolated fre	rom Mounting Surface	Nominal @100Vdc
ENVIRONMENTAL Temperature Response (%) Operating Temperature (°C) Storage Temperature (°C) Humidity	-73 to +20 -73 to +20		
PHYSICAL Sensing Element Case Material Electrical Connector Weight (grams) Mounting ¹ Operating range over which the ² Low-end response of the acc	Stainless 3 10-32 Coa 3.6 Adhesive the accelerometer	shear mode) Steel axial Receptacle meets the linearity specifications nction of its associated electronics.	
Calibration supplied:	CS-FREQ-0100	NIST Traceable Amplitude Calibration from 20Hz to $\pm 2dB$ Frequence	cy Response Limit

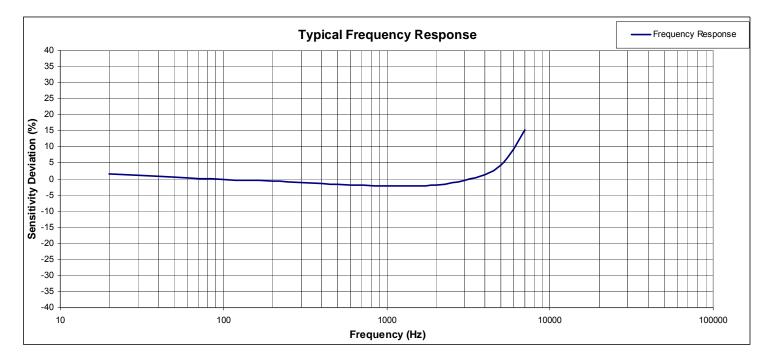
Optional accessories:	320-XXX 324-XXX 130 161A	Low Noise Cable Assembly, 10-32 to 10-32 (XXX designates length in inches, 10ft standard) Low Noise Cable Assembly, 10-32 to BNC (XXX designates length in inches, 10ft standard) In-Line Charge Converter 4-Channel PE & IEPE Signal Conditioner
	AIOIA	4-Channel PE & IEPE Signal Conditioner

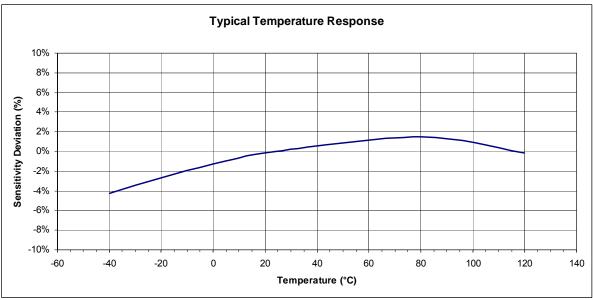
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Model 7508A Accelerometer

performance specifications





ordering info

PART NUMBERING Model Number

7508A

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