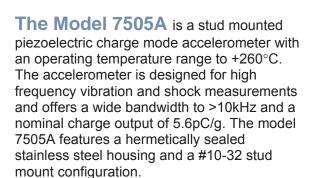
SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182 E-MA Model 7505A Accelerometer



+260°C Charge Output 5.6pC/g output, 10kHz Bandwidth Hermetically Sealed Stud Mount, Top Connector



FEATURES

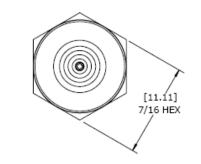
- -73°C to +260°C Operating Range
- Wide bandwidth up to >10kHz
- Stainless Steel Housing
- Annular Shear Mode
- Case Grounded
- 10-32 Top Connector

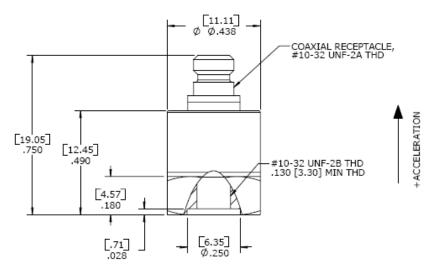
APPLICATIONS

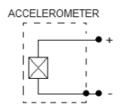
- Vibration & Shock Monitoring
- **High Temp Applications**
- **Laboratory Testing**
- **High Frequency Applications**
- **Gearbox Vibration Monitoring**



dimensions







Model 7505A Rev 2 www.meas-spec.com 07/02/2010



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 Notes Sensitivity (pC/g) 5.6 Typical Sensitivity (pC/g) Minimum 4.0 Frequency Response (Hz) 2 1-10000 ±10% Frequency Response (Hz) 2 0.3-15000 ±2dB

Natural Frequency (Hz) 47000 Non-Linearity (%FSO) ±1/1000g Transverse Sensitivity (%) <5 Dynamic Range (g) ±4000 Shock Limit (g) 10000

ELECTRICAL

Capacitance (pF) 560 Nominal Insulation Resistance (MΩ) >100 @100Vdc

Grounding Case Grounded

ENVIRONMENTAL

Temperature Response (%) See Typical Temperature Response Curve

Operating Temperature (°C) -73 to +260 Storage Temperature (°C) -73 to +260

Humidity Hermetically Sealed

PHYSICAL

Sensing Element Ceramic (shear mode) Case Material Stainless Steel

Weight (grams) 7.3

Mounting #10-32 to #10-32 Mounting Stud (included)

Mounting Torque 18 lb-in (2.0 N-m)

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

Supplied accessories: AC-D02298 10-32 to 10-32 mounting stud

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

130 In-Line Charge Converter

4 Channel PE & IEPE Signal Conditioner 161

AC-D03105 Adhesive Mounting Adaptor AC-D03106 Magnetic Mounting Adaptor

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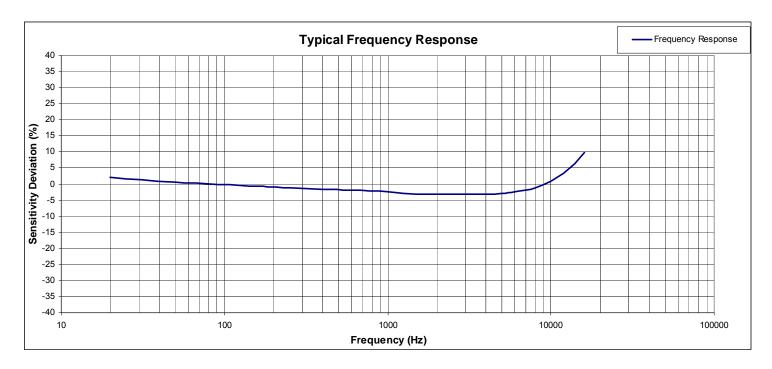
Model 7505A Rev 2 07/02/2010

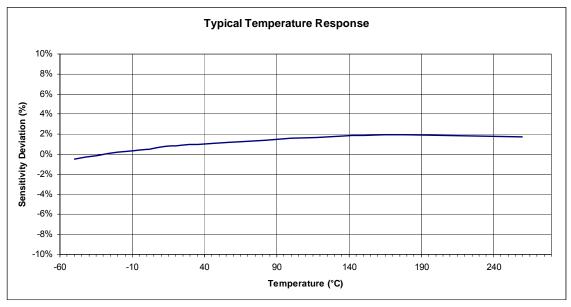
SUNSTAR自动化 http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL:szss20@163.com 949-716-5377

¹ Operating range over which the accelerometer meets the linearity specifications ² Low-end response of the accelerometer is a function of its associated electronics.

measurement B2 E-MA}Lpsgese20@163; qon; 5

performance specifications





ordering info

PART NUMBERING Model Number+Range
7505A-GGGG
I
I____ Range (2000 is 2000g)

Example: 7505A-2000

Model 7505A, 2000g