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

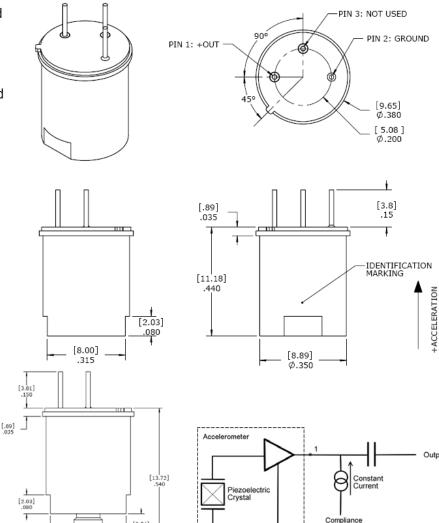
TO-5 Series Accelerometer 2-Wire IEPE Interface Low-Cost, Embedded Applications Wide Bandwidth to 15kHz

The Model 805 is a miniature adhesive mount IEPE accelerometer built on a 3-pin TO-5 header. It is available in ±50g and ±500g dynamic ranges and offers a flat frequency response to 15kHz. The accelerometer features a hermetic construction in a TO-5 header configuration. The model 805 incorporates a stable piezo-ceramic crystal and an integrated charge converter amplifier in a 100% shielded housing suitable for many embedded OEM applications.

The accelerometer is offered in two configurations; one for adhesive mounting and one for stud mounting.



dimensions

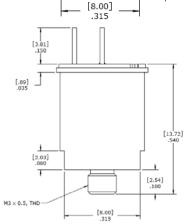


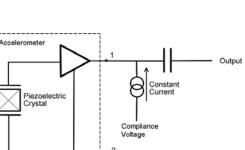
FEATURES

- ±50g and ±500g Range
- Wide bandwidth up to 15kHz
- **TO-5** Configuration •
- Hermetically Sealed •
- -54°C to +100°C Operating Range
- Case Grounded Design

APPLICATIONS

- Machine Monitoring
- Low-Cost OEM Installation
- Permanent Structural Study
- Embedded Sensing Solution





3 Not Used

M3 Stud Mounting for -01 Option www.meas-spec.com

GND

(F

enduser@meas-spec.com

SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182 E-MA Model 805 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-1001 for Embedded 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)	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	Notes ±10% ±1dB ±3dB
ELECTRICAL Compliance Voltage (Vdc) Excitation Current (mA) Bias Voltage (Vdc) Bias Voltage (Vdc) Output Impedance (Ω) Residual Noise (g RMS) Grounding	18 to 30 18 to 30 2 to 10 2 to 10 8 to 12 8 to 12 6 to 13 6 to 13 <100 <100 0.0003 0.0009 Case grounded to mounting surface	Room Temperature -54 to +100°C Broadband 1Hz to 10kHz
ENVIRONMENTAL Temperature Response (%) Operating Temperature (°C) Storage Temperature (°C)		
PHYSICAL Sensing Element Case Material Weight (grams) Mounting	Piezo-Ceramic Stainless Steel 5.0 Adhesive or Circuit Board (M3 Stud Mounting for -01 Option)	
Calibration supplied:	CS-SENS-0100 NIST Traceable Amplitude Calibration at 100Hz	
Wiring color code:	See schematic	

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ordering info

PART NUMBERING Model Number+Range

805-GGGG-XX

Optional Stud Dash Number Range (0050 is 50g)

Dash Number -01

Stud Options M3 x 0.5 6g

Example: 805-0050 Model 805, 50g

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