



Sensors > Vibration Sensors



Accelerometer Type: **MEMS DC**

Vibration Sensor Product Type: **MEMS Accelerometer**

Number of Sensing Axes: **Uniaxial**

Frequency Response: **0-700 Hz**

Full Scale Output Voltage: **±2 VDC**

Features

Operation/Application

| | |
|---------------------|----|
| Output Current Type | DC |
|---------------------|----|

Configuration Features

| | |
|-----------------------|----------------|
| Electrical Connection | Integral Cable |
|-----------------------|----------------|

Other

| | |
|------------------------|---------------------------|
| Non-Linearity (FSO) | ±.1 % |
| Acceleration Range (±) | 2 g |
| Sensitivity | 1000 mV/g |
| EU RoHS Compliance | Compliant with Exemptions |
| EU ELV Compliance | Compliant with Exemptions |

Electrical Characteristics

| | |
|---------------------------|------------|
| Excitation Voltage Range | 4 – 30 VDC |
| Zero Acceleration Output | ±50 mV |
| Full Scale Output Voltage | ±2 VDC |

Body Features

| | |
|--------------------------|-------------------|
| Product Weight | 8 g [.28 oz] |
| Primary Product Material | Anodized Aluminum |
| Number of Sensing Axes | Uniaxial |

Product Type Features

| | |
|-------------------------------|--------------------|
| Sensor Package | Plug & Play |
| Accelerometer Type | MEMS DC |
| Vibration Sensor Product Type | MEMS Accelerometer |

Signal Characteristics

| | |
|--------------------|----------|
| Frequency Response | 0-700 Hz |
|--------------------|----------|

Mechanical Attachment

| | |
|-------------------|-------------|
| Sensor Mount Type | Screw Mount |
|-------------------|-------------|

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | <p>Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.1% in COMPONENT PART) Decamethylcyclopentasiloxane (D5) (.1% in COMPONENT PART) Dodecamethylcyclohexasiloxane (D6) (.1% in COMPONENT PART)</p> <p>Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p> |
| Halogen Content | Not Yet Reviewed for halogen content |
| Solder Process Capability | Not reviewed for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Also in the Series | MEAS 4602



MEMS Accelerometers(6)



Vibration Sensors(6)

Customers Also Bought

TE Part #318A-120
CABLE 318ATE Part #T1550160000-001
H16B-AG-RCTE Part #T1390160132-001
H16B-TSH-RC-M32TE Part #T1009033100-000
H3A-KDBPTE Part #CAT-D9934-A75I
Header Assembly: Wire-to-Board
Connector, Spring Clamp, 7.5 mm
pitch, 14.5ATE Part #6-2271013-0
CELLO,PIN,96P,TH,RA,FG,DIP4.0,-TE Part #CAT-D9934-A83B
DYNAMIC 5000 HDR ASSY

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_20016936-00_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_20016936-00_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_20016936-00_C.2d_dxf.zip](#)

English

3D PDF

3D

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Datasheets & Catalog Pages



4602_Accelerometer

English