

Sensors &gt; Vibration Sensors &gt; Model 805M1 TO-5 3-Wire Accelerometer

Accelerometer Type: **3-Wire Voltage**Vibration Sensor Product Type: **Piezoelectric Accelerometer**Number of Sensing Axes: **Uniaxial**Frequency Response: **1 to 8000 Hz**Full Scale Output Voltage: **±2 VDC**[All Model 805M1 TO-5 3-Wire Accelerometer \(7\)](#)

## Features

### Product Type Features

|                               |                             |
|-------------------------------|-----------------------------|
| Sensor Package                | Embedded                    |
| Accelerometer Type            | 3-Wire Voltage              |
| Vibration Sensor Product Type | Piezoelectric Accelerometer |

### Electrical Characteristics

|                           |             |
|---------------------------|-------------|
| Excitation Voltage Range  | 3 - 5.5 VDC |
| Full Scale Output Voltage | ±2 VDC      |

### Signal Characteristics

|                    |              |
|--------------------|--------------|
| Frequency Response | 1 to 8000 Hz |
|--------------------|--------------|

### Body Features

|                          |                 |
|--------------------------|-----------------|
| Primary Product Material | Stainless Steel |
| Product Weight           | 5 g [.17 oz]    |
| Number of Sensing Axes   | Uniaxial        |

### Mechanical Attachment

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

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -40 - 100 °C [-40 - 212 °F] |
|-----------------------------|-----------------------------|

## Operation/Application

|                     |    |
|---------------------|----|
| Output Current Type | AC |
|---------------------|----|

## Other

|                        |          |
|------------------------|----------|
| Non-Linearity (FSO)    | ±1 %     |
| Acceleration Range (±) | 20 g     |
| Sensitivity            | 100 mV/g |

## Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com/compliance)>

|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions   |
| EU ELV Directive 2000/53/EC                   | Out of Scope  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JUL 2021 (219)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content  |
| Solder Process Capability                     | Not reviewed for solder process capability  |

### Product Compliance Disclaimer

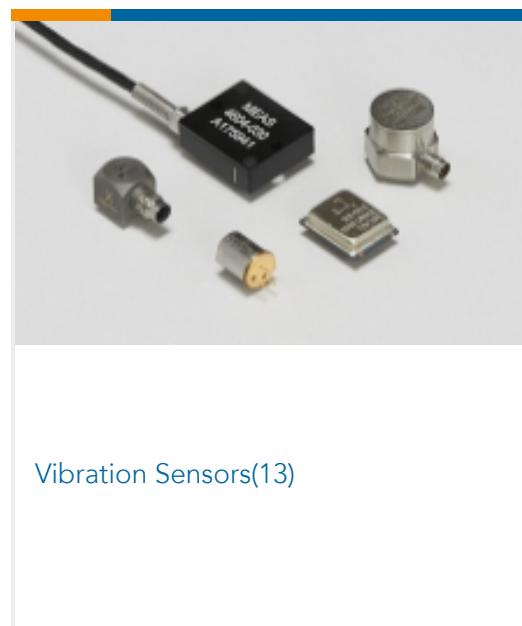
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

## Compatible Parts



TE Part # 805M1-0020  
805M1-0020 TO-5 Accelerometer

## Also in the Series | MEAS 805



Vibration Sensors(13)

## Customers Also Bought



TE Part # 36151  
PIDG R 22-16 COMM 22-18 MIL 6



TE Part # 776273-1  
14POS,AMPSEAL,SOC HSG ASSY,SLD,  
COD 1



TE Part # 770854-1  
CONTACT, AMPSEAL SN/LP



TE Part # 3-1879216-2  
CPF0402 150K 0.1% 25PPM 1K RL



TE Part # 1-770988-0  
MINI UMNL SOK 22-18AWG AU



TE Part # 969973-5  
2x5P HV100 REC. CON, SMD, GOLD,  
BLISTER



TE Part # 1622796-2  
YR1 0.1% 100R



TE Part # 5-1618387-7  
LEV200A5NAF=RELAY, 24Vdc SPST  
NO

## Documents

### CAD Files

[3D PDF](#)

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_805M1-0020-01\\_M.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_805M1-0020-01\\_M.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_805M1-0020-01\\_M.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

**Datasheets & Catalog Pages**

[805M1\\_Accelerometer](#)

English