



MEAS | MEAS FS20

TE Internal #: FS2030-000X-0500-G

TE Internal Description: FS2030 500G FORCE SENSOR

[View on TE.com >](#)

Sensors > Force Sensors > Force Sensor Elements



Force Sensor Type: OEM Compression Load Cells

Full Scale Range: 500 lbf

Operating Temperature Range: -40 – 85 °C [ -40 – 185 °F ]

Output Signal Type: .5 – 4.5 V

## Features

### Product Type Features

|                   |                            |
|-------------------|----------------------------|
| Force Sensor Type | OEM Compression Load Cells |
|-------------------|----------------------------|

### Electrical Characteristics

|                      |         |
|----------------------|---------|
| Supply Voltage Range | 5 VDC   |
| Full Scale Range     | 500 lbf |

### Usage Conditions

|                             |                              |
|-----------------------------|------------------------------|
| Accuracy                    | ±1 % of FS                   |
| Operating Temperature Range | -40 – 85 °C [ -40 – 185 °F ] |

### Operation/Application

|                    |            |
|--------------------|------------|
| Output Signal Type | .5 – 4.5 V |
|--------------------|------------|

### Other

|                   |              |
|-------------------|--------------|
| Zero Shift in CTR | ±.05 % of FS |
| Sensitivity Shift | ±.05 % of FS |
| Force Direction   | Compression  |

## 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

Current ECHA Candidate List: JUNE 2024 (241)

Candidate List Declared Against: JUNE 2023 (235)

SVHC > Threshold:

Decamethylcyclopentasiloxane (D5) (.12% in Adhesive)

Dodecamethylcyclohexasiloxane (D6) (.26% in Adhesive)

2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.15% in Solder Mask)

**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.

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

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



Also in the Series | **MEAS FS20**



Force Sensor Elements(18)

### Customers Also Bought



TE Part #3-6609106-0  
PS0S0DHXB=C1178



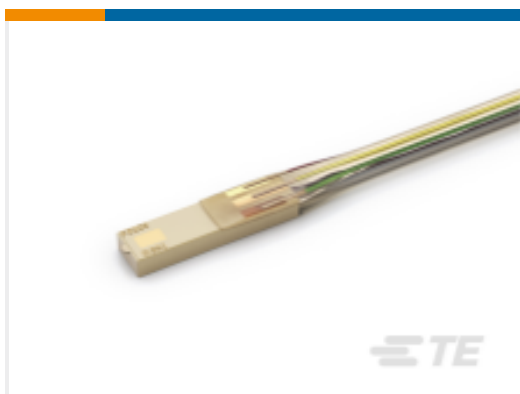
TE Part #GA10K3MBD1  
MBD9-PROBE



TE Part #10217784-00  
ABD,AD-101, COMPACT ASSY, 4MM



TE Part #20015885-02  
Compression Load Cell - 0.5-4.5V



TE Part #SMI-1A-48-180-BMAP  
Calibrated IntraSense



TE Part #85-050A-0P  
NISO,ABS,NO FIT,COMP



TE Part #FX1900-0002-0025-L  
COIN LOADCELL WITH 100MM  
CABLE



TE Part #SM3041-015-D-C-3-S  
MEDIUM PRESSURE I2C DIGITAL

### Documents

#### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_FS2030-000X-0500-G\\_F.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_FS2030-000X-0500-G\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_FS2030-000X-0500-G\\_F.3d\\_stp.zip](#)

English

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

#### Datasheets & Catalog Pages

FS20

English

