



MEAS | MEAS FS20

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

TE Internal Description: FS2030 500G FORCE SENSOR

Compression Load Cell - 0.5-4.5V

[View on TE.com >](#)

Sensors > Force Sensors > Force Sensor Elements > Compression Load Cell - 0.5-4.5V



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

[All Compression Load Cell - 0.5-4.5V \(14\)](#)

## Features

### Product Type Features

Force Sensor Type	OEM Compression Load Cells
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### 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
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### 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
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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: JAN 2024 (240)

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



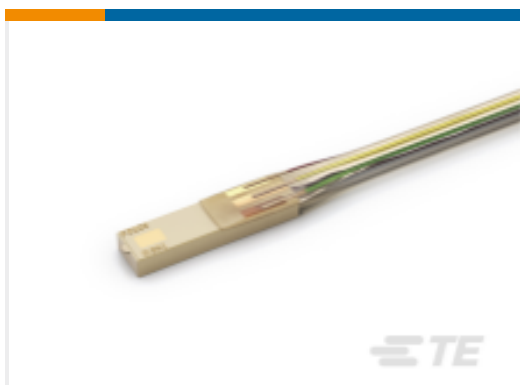
TE Part # 20009605-14  
FX293X-100A-0050-L



TE Part # GA10K3MBD1  
MBD9-PROBE



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



TE Part # SMI-1B-48-180-BMAR  
Cal IntraSense, LS, 180cm, 5.0V



TE Part # ADP-SMAM-MCXM  
SMA Plug to MCX Plug



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

