



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 Element Sensor Type: **OEM Compression Load Cells**

Full Scale Range: **500 lbf**

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

Output Signal: **.5 – 4.5 V, .5 – 4.5 V**

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

Features

Product Type Features

Force Sensor Element Sensor Type	OEM Compression Load Cells
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Electrical Characteristics

Supply Voltage	5 VDC
Full Scale Range	500 lbf

Signal Characteristics

Output Signal	.5 – 4.5 V, .5 – 4.5 V
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Usage Conditions

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

Accuracy	±1 % of FS
Force Direction	Compression
Zero Shift in CTR	±.05 % of FS
Sensitivity Shift	±.05 % of FS

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: JUNE 2023 (235)

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
Compact Compression Load Cell



TE Part #GA10K3MBD1
MBD9-PROBE



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



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

