



MEAS | MEAS FS

TE Internal #: FS1901-0000-1000-G

TE Internal Description: 1000 GRAM FORCE 20MV/V FORCE LOAD

CELL

FORCE LOAD CELL - 20MV/V

[View on TE.com >](#)

Sensors > Force Sensors > Force Sensor Elements > FORCE LOAD CELL - 20MV/V



Force Sensor Element Sensor Type: OEM Compression Load Cells

Full Scale Range: 10 Nm

Operating Temperature Range: 0 – 40 °C [ 32 – 104 °F ]

Output Signal: 20 mV/V

Zero Shift in CTR: ±.05 % of FS

**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	10 Nm

**Signal Characteristics**

Output Signal	20 mV/V
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**Usage Conditions**

Operating Temperature Range	0 – 40 °C[32 – 104 °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: JUL 2021 (219)  
 Candidate List Declared Against: JUN 2020 (209)  
 SVHC > Threshold:  
 Dodecamethylcyclohexasiloxane (D6) (.8% in Component)  
 Octamethylcyclotetrasiloxane (D4) (1% in Component)

**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 FS**



Flow Switch(9)



Force Sensor Elements(18)

## Customers Also Bought



TE Part #1-6609008-3  
10EJHP=F8050



TE Part #3-2176416-8  
9W STD M/OX 5% 1K8



TE Part #4-2176416-9  
9W STD M/OX 5% 5K1



TE Part #2176416-3  
9W STD M/OX 5% 62R



TE Part #4-2176307-2  
RP 1E 0.1W 33K2 0.1% 25PPM 5K RL



TE Part #5-2176307-5  
RP 1E 0.1W 45K3 0.1% 25PPM 5K RL



TE Part #3-1879452-7  
TE 750W 1K0 5% Bracket



TE Part #FS1901-0000-0500-G  
500 GRAM FORCE 20MV/V FORCE  
LOAD CELL



TE Part #390088-3  
BLUE HSG WITH 30AU CONTACT

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_FS1901-0000-1000-G\\_A.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_FS1901-0000-1000-G\\_A.3d\\_igs.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_FS1901-0000-1000-G\\_A.3d\\_stp.zip](#)

English

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

**Datasheets & Catalog Pages**

**FS19**

English