



MEAS | MEAS FS20

TE Internal #: FS2050-000X-1500-G

TE Internal Description: FS2050-1500G SENSOR(VERTICAL)

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: 15 Nm

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

Output Signal Type: 1 – 4 V

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

## Features

### Product Type Features

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

### Electrical Characteristics

Supply Voltage Range	5 VDC
Full Scale Range	15 Nm

### Usage Conditions

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

### Operation/Application

Output Signal Type	1 – 4 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: JAN 2024 (240)

Candidate List Declared Against: JUNE 2023 (235)

SVHC > Threshold:  
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.15% in Component Part)

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 #FS2050-0000-1500-G  
FS2050 COMPRESSION LC1500 GRAM



TE Part #1462037-4  
IM01TS=IM RELAY 140mW 3V



TE Part #1717254-4  
EMBOSS ASSY DDR2 SODIMM  
SOCKET 200P 5.2H



TE Part #5-2301996-8  
RJ45 JACK INT.MAG. 1GB LED 1X2



TE Part #2-2316113-2  
2MM,REC,CNT,CRIMP,24-28AWG,TIN,  
APPL



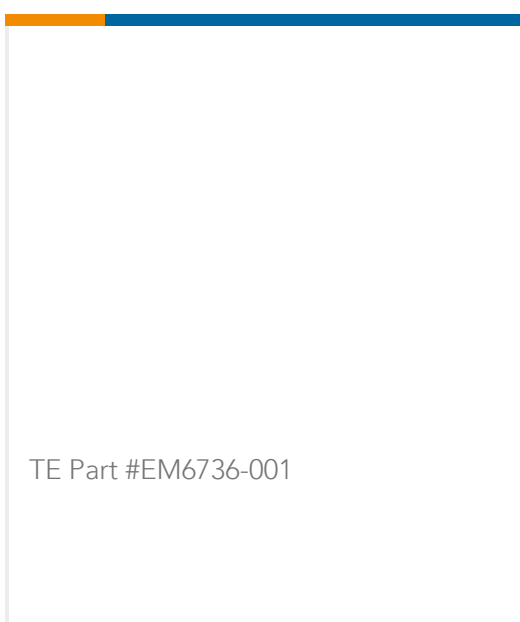
TE Part #EM6730-001  
FEP-140-141-008-X-4IN-CS



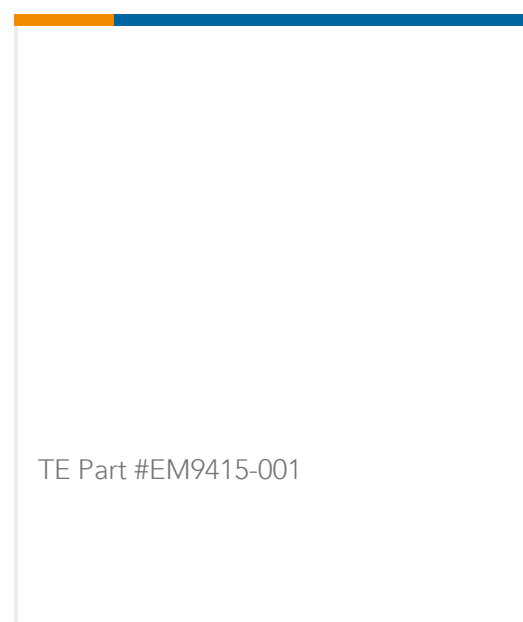
TE Part #EM6748-001  
FEP-183-182-003-X-4IN-CS



TE Part #EM7805-001  
FEP-194-184-006-X-3.63IN-CS



TE Part #EM6736-001



TE Part #EM9415-001

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_FS2050-000X-1500-G\\_F.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_FS2050-000X-1500-G\\_F.3d\\_igs.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_FS2050-000X-1500-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