



MEAS | MEAS FS20

TE Internal #: FS2050-0000-1500-G

TE Internal Description: FS2050 COMPRESSION LC1500 GRAM

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
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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
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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 # 5108764005
RAYRIM-NR6-0-SP



TE Part # 1-2308265-1
Quick Lock Pins for D-Sub with
Threaded Inserts



TE Part # 31518
TERMINAL,DG R 26-22 2



TE Part # 3-640427-5
05P MTA156 CONN ASSY 20AWG YEL



TE Part # 1-2176345-6
CRGCQ 1210 180R 1%



TE Part # 5885930001
TRSA-1019/E/1/9



TE Part # A37084-000
MP-381064-10-8A



TE Part # 5885930016
TRSA-1019/E/1/7

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_FS2050-0000-1500-G_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_FS2050-0000-1500-G_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_FS2050-0000-1500-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

