



MEAS | MEAS FX1901

TE Internal #: FX1901-0001-0050-L

TE Internal Description: FX1901-0001-0050-L

COMPRESSION LOAD CELL - 100MV

[View on TE.com >](#)

Sensors > Force Sensors > Force Sensor Elements > COMPRESSION LOAD CELL - 100MV



Force Sensor Element Sensor Type: OEM Compression Load Cells

Full Scale Range: 50 – 50 lbf

Operating Temperature Range: 0 – 50 °C [ 32 – 122 °F ]

Zero Shift in CTR: ±.05 % of FS

Sensitivity Shift: ±.05 % of FS

[All COMPRESSION LOAD CELL - 100MV \(5\)](#)

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	50 – 50 lbf

Usage Conditions

Operating Temperature Range	0 – 50 °C[32 – 122 °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
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: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

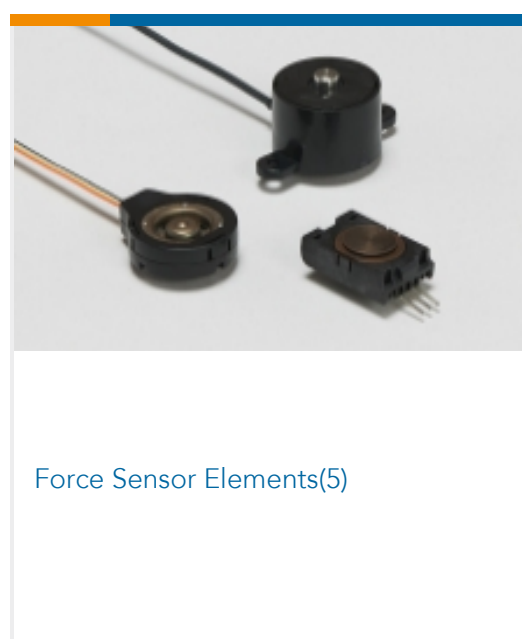
Product Compliance Disclaimer

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 FX1901



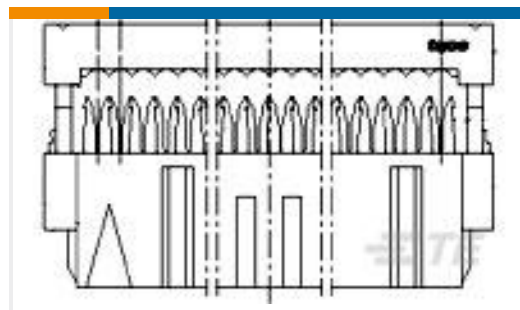
## Customers Also Bought



TE Part #281839-6  
HOUSING HE13 HE14 COSI 2X6 P



TE Part #6609116-5  
10EHG8-2=F8245



TE Part #1-215911-0  
10 WAY GREY MK II RECP



TE Part #1879215-5  
CPF 0402 4K42 0.1% 25PPM 1K RL



TE Part #2-1879338-3  
CPF 0603 45K3 1% 50PPM 1K RL



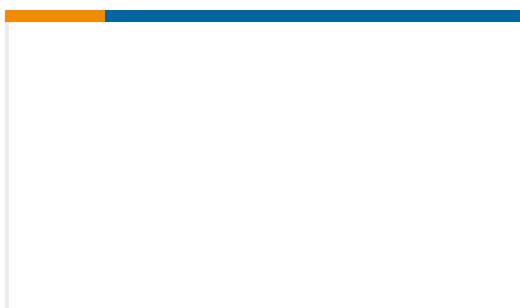
TE Part #4-1625886-5  
1W SM M/OX 5% 8K2



TE Part #2176403-3  
3550 1R2 1%



TE Part #20009605-11  
FX293X-040B-0100-L



TE Part #PF5010155  
PT TEMPERATURE SENSOR

## Documents

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_FX1901-0001-0050-L\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_FX1901-0001-0050-L\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_FX1901-0001-0050-L\\_G.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

FX19

English