



MEAS | MEAS FC

TE Internal #: FC2231-0000-0050-L

TE Internal Description: MID RANGE COMPRESSION SENSOR

COMPRESSION LOAD CELL-100/150MV/.5-4.5V

[View on TE.com >](#)

Sensors > Force Sensors > Force Sensor Elements > COMPRESSION LOAD CELL-100/150MV/.5-4.5V



Force Sensor Element Sensor Type: OEM Compression Load Cells

Full Scale Range: 50 – 50 lbf

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

Output Signal: .5 – 4.5 V, .5 – 4.5 V

Zero Shift in CTR: ±.05 % of FS

[All COMPRESSION LOAD CELL-100/150MV/.5-4.5V \(9\)](#)

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

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
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 2022 (224) Candidate List Declared Against: JUN 2020 (209) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

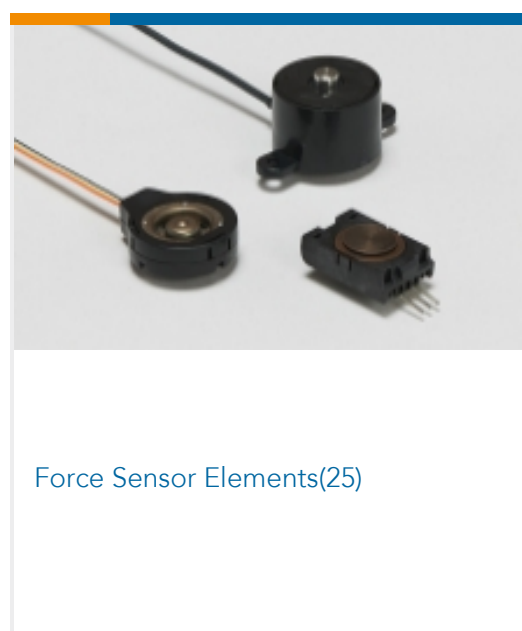
Product Compliance Disclaimer

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 FC





Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_FC2231-0000-0050-L_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_FC2231-0000-0050-L_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_FC2231-0000-0050-L_D.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

FC22

English