



MEAS | MEAS FC

TE Internal #: FC2331-0000-0500-L

TE Internal Description: FC23 AMPLIFIED 2FT CABLE 500L

COMPRESSION LOAD CELL - 100MV / 0.5-4.5V

[View on TE.com >](#)

Sensors > Force Sensors > COMPRESSION LOAD CELL - 100MV / 0.5-4.5V



Force Sensor Type: OEM Compression Load Cells

Force Direction: Compression

Full Scale Range: 500 lbf

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

Supply Voltage Range: 5 VDC

[All COMPRESSION LOAD CELL - 100MV / 0.5-4.5V \(16\)](#)

Features

Product Type Features

Force Sensor Type	OEM Compression Load Cells
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Electrical Characteristics

Full Scale Range	500 lbf
Supply Voltage Range	5 VDC

Usage Conditions

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

Operation/Application

Output Signal Type	.5 – 4.5 V
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Other

Force Direction	Compression
Zero Shift in CTR	±.05 %FS/°C
Sensitivity Shift	±.05 %FS/°C

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	<p>Current ECHA Candidate List: JUNE 2025 (250)</p> <p>Candidate List Declared Against: JAN 2025 (247)</p> <p>SVHC > Threshold: 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.13% in Component Part)</p> <p>Pb (18% in Component Part)</p> <p>Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
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 FC**



Force Sensors(25)

Customers Also Bought



TE Part #FC2331-0000-2000-L
FC23 AMPLIFIED 2FT CABLE 2000L



TE Part #1SNA115688R2500
M6/8.SNB



TE Part #1SNA118618R0100
FEM12



TE Part #53404-1
TERMINAL,PIDG PVF2 R 26-24 10



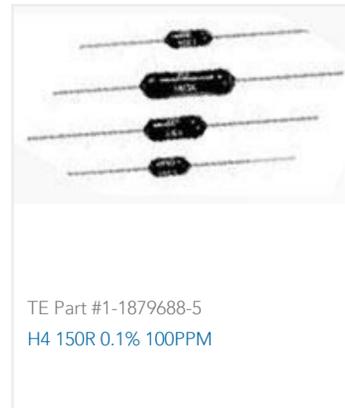
TE Part #350180
TEST PROBE ASSEMBLY, REC, PA66,
BLACK



TE Part #1546657-8
8P PCV DUAL BARRIER,0.250



TE Part #9-1622796-3
YR1 0.1% 19K1



TE Part #1-1879688-5
H4 150R 0.1% 100PPM



TE Part #1-2364686-8
AVH22 FLT SS LK RNG BLU 12V16A



TE Part #5205980-5
SCREW RETAINER KIT,BULK PACK

Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_FC2331-0000-0500-L_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_FC2331-0000-0500-L_F.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_FC2331-0000-0500-L_F.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

FC23

English