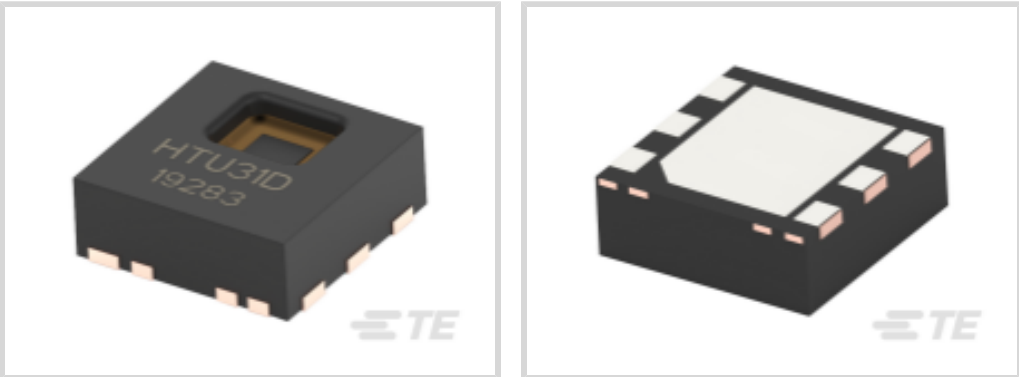




Sensors > Humidity Sensors > Humidity Sensor Components



Humidity Sensor Product Type: RHT
Supply Voltage (Peak): 5.5 V
Current Consumption: 1 mA
Operating Temperature Range: -40 – 257 °C [-40 – 257 °F]
Interface Signal Type: Digital

Features

Product Type Features

Accuracy	± 2 %
Humidity Sensor Product Type	RHT
Interface Signal Type	Digital

Electrical Characteristics

ESD Robustness	± 8 kV
Supply Voltage (Peak)	5.5 V
Current Consumption	1 mA

Usage Conditions

Humidity Operating Range	0 – 100 %RH
Operating Temperature Range	-40 – 257 °C[-40 – 257 °F]
Temperature Accuracy	± .2 °C

Other

Response Time	3 seconds
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed




China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

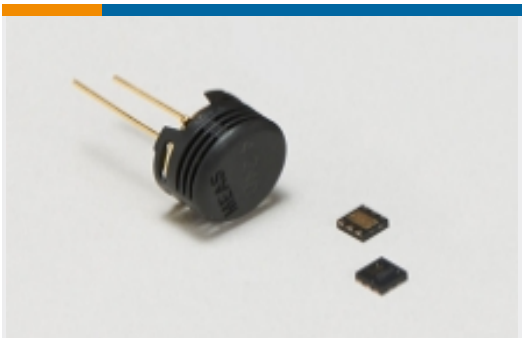
Product Compliance Disclaimer

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>


Also in the Series | MEAS HTU



Humidity Sensor Assemblies(4)



Humidity Sensor Components(18)



Sensor Development Boards and Evaluation Kits(3)

Customers Also Bought




TE Part #1775470-3
HPI CONN., 2.0MM, V/T, SMT, 3P, 80U"



TE Part #1-2176231-6
3522 43R 1% 3W



TE Part #5-104363-1
02 MTE HDR SRST LATCH .100CL



TE Part #4-2176325-8
CRGP 0402 82K 1%





TE Part #9D-BBK-S-001S-000
Uncompensated low pressure sensor



TE Part #FX1900-0000-0025-L
25 LBF COMPRESSION LOAD CELL
100MV

TE Part #20006127-19
PRESS,XDCR,4525DO-DS3BI001DSM

TE Part #PF5010155
PT TEMPERATURE SENSOR

TE Part #XA153
STM-B#-5002--2-CDP-OTHER-RING06-00-K-28

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_10142048-02_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_10142048-02_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_10142048-02_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

HTU31 RHT SENSOR IC Data sheet

English

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[10142048-02](#)