



Sensors > Humidity Sensors > Humidity Sensor Components > HTU31 High Accuracy RH/T Sensor



Product Type: RHT

Supply Voltage (Peak): 6 V

Current Consumption: .76 mA

Humidity Operating Range: 0 – 100 %RH

Operating Temperature Range: -40 – 125 °C, -40 – 125 °C [ -40 – 257 °F, -40 – 257 °F ]

[All HTU31 High Accuracy RH/T Sensor \(6\)](#)

## Features

### Product Type Features

Product Type	RHT
Sensor Type	Analog

### Electrical Characteristics

Supply Voltage (Peak)	6 V
Current Consumption	.76 mA

### Usage Conditions

Humidity Operating Range	0 – 100 %RH
Operating Temperature Range	-40 – 125 °C, -40 – 125 °C [ -40 – 257 °F ] [ -40 – 257 °F ]

## Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Not Yet Reviewed



EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts




TE Model / Part # CAT-HSC0007  
HTU31 High Accuracy RH/T Sensor

### Also in the Series | MEAS HTU



Digital Component Sensors(2)



Humidity Sensor Assemblies(2)



Humidity Sensor Components(20)

### Customers Also Bought



TE Model / Part #5-103946-5  
2X6 MTE SHRD PIN SR POL .100CL



TE Model / Part #9-1879214-6  
CPF 0402 3K65 0.1% 25PPM 1K RL



TE Model / Part #5177983-8  
0.8FH,R05H.5,160,08/Sn,TU



TE Model / Part #2-6339191-1  
MJ,RJ4,5SM,TSHLD,LED (G/O)



TE Model / Part #3-640432-2  
02P MTA156 CONN ASSY 20AWG YEL



TE Model / Part #5179229-4  
0.8FH,R05H.5,100,08/Sn,TU,SC



TE Model / Part #62891-1  
FF 250 REC 16-12AWG TPBR



TE Model / Part #103946-2  
5X3 MTE SHRD PIN SR POL .100CL

## Documents

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_10142048-11\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_10142048-11\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_10142048-11\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[HTU31V RHT SENSOR IC ANALOG](#)

English