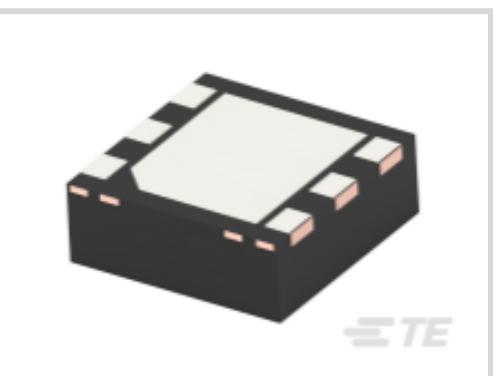
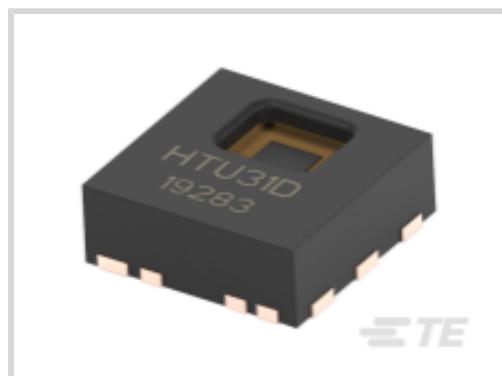


Sensors > Humidity Sensors > Humidity Sensor Components



Humidity Sensor Component Product Type: **RHT**

Supply Voltage (Peak): **5.5 V**

Current Consumption: **161 mA**

Humidity Operating Range: **0 – 100 %RH**

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

Features

Product Type Features

Humidity Accuracy	$\pm 2 \%$
Humidity Sensor Component Product Type	RHT
Humidity Sensor Component Sensor Type	Analog

Electrical Characteristics

ESD Robustness	$\pm 8 \text{ kV}$
Supply Voltage (Peak)	5.5 V
Current Consumption	161 mA

Usage Conditions

Humidity Operating Range	0 – 100 %RH
Operating Temperature Range	-40 – 257 °C [-40 – 257 °F]
Temperature Accuracy	$\pm .2 \text{ }^{\circ}\text{C}$

Other

Response Time	3 seconds
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Product Compliance

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

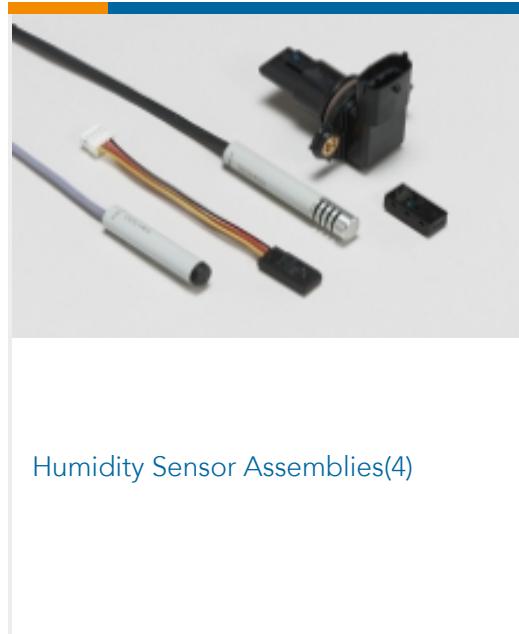
EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Not Yet Reviewed
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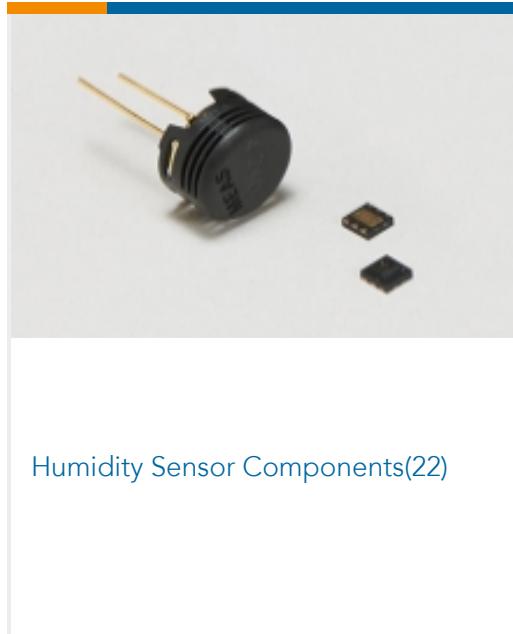
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

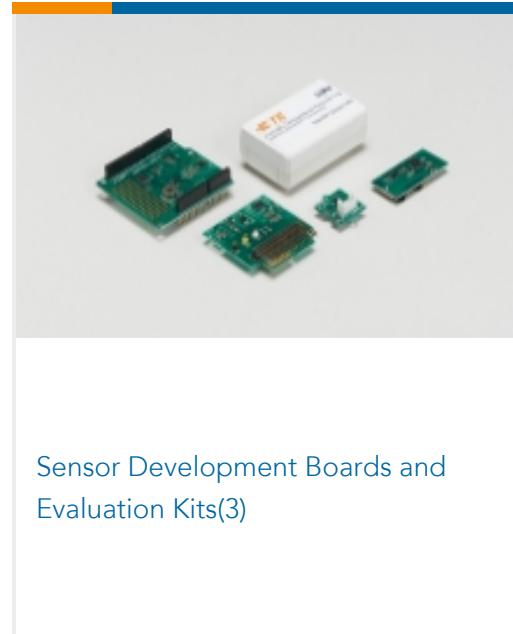
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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(22)



Sensor Development Boards and Evaluation Kits(3)

Customers Also Bought

TE Part #2273004-1
M8 x 1.0 straight plug Pigtail ShldTE Part #5179229-4
0.8FH,R05H.5,100,08/Sn,TU,SCTE Part #3-640432-2
02P MTA156 CONN ASSY 20AWG YELTE Part #2-6609037-4
7EP1=F8215



Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_10142048-10_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_10142048-10_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_10142048-10_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