



Sensors > Humidity Sensors > Humidity Sensor Assemblies > Digital RH Temperature Pressure Sensor



Humidity Sensor Assembly Product Type: **RHTP**
Supply Voltage (Peak): **32 VDC**
Operating Temperature Range: **-40 – 105 °C [-40 – 221 °F]**
Humidity Measuring Range: **0 – 100 %RH**
Humidity Sensor Assembly Accuracy: **±3 %RH**

[All Digital RH Temperature Pressure Sensor \(5\)](#)

Features

Product Type Features

Humidity Sensor Assembly Product Type	RHTP
Humidity Sensor Assembly Sensor Type	Digital

Electrical Characteristics

Supply Voltage (Peak)	32 VDC
Current Consumption	25 mA

Signal Characteristics

Transmit Rate	100 msec
Baud Rate	250 Kb/s

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Humidity Measuring Range	0 – 100 %RH
Humidity Sensor Assembly Accuracy	±3 %RH

Operation/Application

Pressure (Max)	130 kPa
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Other

Response Time	5 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	Compliant
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) Candidate List Declared Against: JAN 2019 (197) SVHC > Threshold: 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 Part # FPP800A110
FPS2800B12C4 STD



TE Part # HPP801A031
HS1101LF HUMIDITY SENSOR



TE Part # CAT-HSA0004
Digital RH Temperature Pressure Sensor

Also in the Series | MEAS HTD



Humidity Sensor Assemblies(3)

Customers Also Bought



TE Part #M902-2041
DEUTSCH HD10 Backshells



TE Part #5-1625971-1
HSA25 47R 5%



TE Part #DT2S-BT-BK
BOOT, 2P, PLG, ST, BLK



TE Part #1-1456426-1
4POS, MCON 1.2 CB REC 2p TL
SEALED



TE Part #DT04-2P-L012
REC, 2P, GRY, N, FLANGE



TE Part #HPP816E056
TRICAN 24V HTD2800P1B11C6STD



TE Part #1-2103172-1
Plug Assembly, 350A, MSD



TE Part #DT4S-BT-BK
BOOT, 4P, PLG, ST, BLK



TE Part #1-1587987-1
RECEPTACLE ASSEMBLY, 350A, MSD

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HPP816E031_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HPP816E031_C.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_HPP816E031_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Data sheet TRICAN HTD2800Px11C6V2](#)

English