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Low Cost Humidity Sensor SHT10

The SHT10 digital humidity and temperature sensor is fully calibrated and offers excellent long term stability and ease of use at lowest cost. The digital CMOSens® Technology integrates two sensors and readout circuitry on one single chip.

Features

- 2 sensors for relative humidity & temperature
- Measurement range: 0-100% RH
- Absolute RH accuracy: +/- 4.5% RH
- Temp. accuracy: +/- 0.5°C @ 25 °C
- Calibrated & digital output (2-wire interface)
- Fast response time < 4 sec.
- Low power consumption (typ. 30 µW)
- Lowest cost
- Designed for high-volume, very price sensitive applications
- Leading CMOSens® Technology for superior long-term stability
- Very easy-to-use due to calibration & digital 2-wire interface

Applications

- High volume consumer products
- White goods
- Automotive
- Building control & HVAC

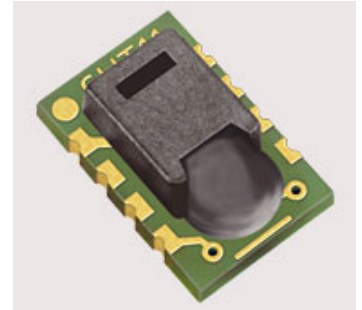
Technical Data

-  [Data sheet humidity sensor SHT1x/SHT7x](#)
-  [Calibration Certificate Humidity Sensors SHTxx](#)
-  [RoHS Certificate SHT1x Humidity Sensor](#)

Application Notes

-  [Soldering procedure SHT11/SHT15 humidity sensors \(January 2004\)](#)
-  [ESD, Latch-up and EMC \(Revision 0.9\)](#)
-  [CRC Calculation Humidity Sensors \(Revision 1.03\)](#)
-  [Dewpoint Calculation Humidity Sensor \(Revision 1.01\)](#)
-  [Pin Layout Footprint Humidity Sensor](#)
-  [Non-Linearity Compensation Humidity Sensors](#)
-  [Sample Code humidity sensor SHTxx](#)
-  [Sample Code humidity sensor SHTxx original c file \(ZIP Version\)](#)
-  [Status Register \(Revision 1.2\)](#)
-  [Gerber footprint humidity sensor SHTx \(ZIP-file\)](#)
-  [Protel footprint humidity sensor SHTx \(ZIP-file\)](#)
-  [Introduction to Relative Humidity](#)
-  [HumiViewer_Installer.zip \(requires EK-H2\) \(Version 3.0, March 2004\)](#)
-  [Multi Humi Viewer.zip \(requires EK-H3\) \(Version 1.6, February 2005\)](#)

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Two in one!
Two sensors (rh/temp.)
on one single chip, fully
calibrated and ready to
use

