

# Temperature and Humidity Sensor Module HTU21D

## Description

The HTU21D is a low-cost, easy to use, highly accurate, digital humidity and temperature sensor. This sensor is ideal for environmental sensing and data logging and perfect for a weather stations or humidior control systems. All you need is two lines for I2C communication and you'll have relative humidity readings and very accurate temperature readings as a bonus!

There are only four pins that need to be hooked up in order to start using this sensor in a project. One for VCC, one for GND, and two data lines for I2C communication. This breakout board has built in 4.7k pull up resistors for I2C communications. If you're hooking up multiple I2C devices on the same bus, you may want to disable these resistors.

### Features:

- *Power supply: 1.5V-3.6V*
- *Humidity measure range: 0-100%RH*
- *Temperature measure range:-40degree-105degree*
- *Max. power consumption: 2.7uW*
- *Communication: I2C*
- *Humidity precision(10%RH to 95%RH): HTU21DA±2%RH*
- *Humidity delay: +/-1%RH*
- *Measure time: 50ms*
- *Year drift: -0.5%RH/year*
- *Response time: 5s*
- *Size: 1.5x1.6cm (approx)*

