Grove - Temperature&Humidity Sensor (SHT31)

SKU 101020212

High accuracy humidity sensor Easy-to-use Grove Compatible Interface Wide temperature measurement range

When we are talking about environmental sensors, we always want it to be accurate, and also easy-to-use. Now, we've got a really fine sensor module that has both, the Grove - Temperature&Humidity Sensor (SHT31).

The SHT31 sensor could be the finest and highest-accuracy humidity sensor you can find, as it can acquire the relative humidity at only ±2% error. On the other side it also features an excellent performance in terms of temperature measurement, you can use it in some extreme conditions, like -40 degree or 125 degree, and it still keeps an accuracy of ±0.3 degree.

If you are familiar with our Grove system, you should be aware of how easy it is to get started with such a module that has a GROVE prefix. We design it as a Grove module so you don't need any bread-boarding, meshing or soldering to make it work.

If your development board is a Seeeduino, simply connect it to the I2C port and download a few line of code, then you are ready to roll!

Features

- High accuracy, ±0.3 °C accuracy for temperature and ±2% for humidity
- Easy-to-use Grove Compatible Interface

- For projects that you would like to share with the community, please visit Recipe.

Part List

Grove - Temperature&Humidity Sensor (SHT31)	1
Grove Cable	1

Technical details

Dimensions	89mm x140mm x7.5mm
Weight	G.W 10g
Battery	Exclude
Supply Voltage	5V or 3.3V
Current Consumption	100 uA
Temperature Measurement:	
Range	-40°C to 125°C
Accuracy	±0.3
Humidity Accuracy	±2%
Communication Interface	I2C
Dimensions	20mm x 40mm

ECCN/HTS

ECCN	EAR99
HSCODE	9025900090
USHSCODE	90230000
UPC	841454118541