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Grove - Grove - Temperature & Humidity Sensor (SHT31)

Part Number: 101020212

Overview:

The SHT31 Temperature & Humidity sensor could be the finest and highest-accuracy humidity sensor you can find, as it can acquire the relative humidity at only ±2% error.

Product Details:

The SHT31 Temperature & Humidity 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 excellent performance in terms of temperature measurement, you can use it in some extreme conditions, like -40 degrees or 125 degrees, and it still keeps an accuracy of ±0.3 degrees.

If you are looking for a temperature & humidity sensor that is accurate and also easy to use for your Arduino projects, the Grove - Temperature&Humidity Sensor (SHT31) must be one of your choices!

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.

What is Grove?

Grove makes it easier to connect, experiment, and simplify the prototyping process. No jumpers or soldering required. We have developed more than 300 Grove modules, covering a wide range of applications that can fulfill a variety of needs. Not only are these open stardware, but we also have open-source software.

If your development board is a [Seeeduino](), simply connect it to the I2C port and download a few lines 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.

Note

As the sensor is quite sensitive to the environmental conditions, please DO NOT touch it with your fingers as you might damage it.

If you are looking for more other temperature sensors, don't forget to check our *9 Types of Temperature Sensors You Should Know* for your environmental projects!

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

Part List:

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

ECCN/HTS

HSCODE	9025900090
USHSCODE	9031808070
UPC	841454118541