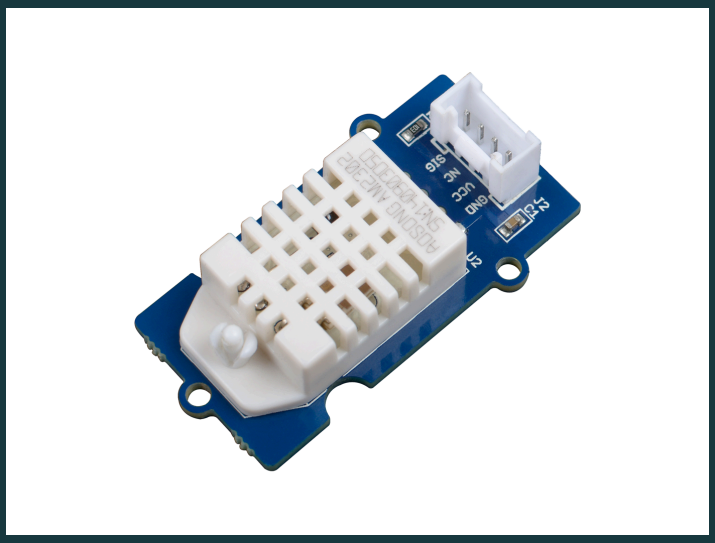
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Grove - Temperature & Humidity Sensor Pro (DHT22/AM2302)

Grove - DHT22 is a high-accuracy temperature and humidity sensor based on the DHT22 module (also known as AM2302 or RHT03).

SKU	UPDATED	PRICE
101020019	2026-11-11 07:35:26	$6.95(Excl. VAT)



Overview



Grove - DHT22 is a high-accuracy temperature and humidity sensor based on the DHT22 module (also known as AM2302 or RHT03). High-cost performance and high precision make it ideal for temperature and humidity monitoring of Arduino and Raspberry Pi, you can also use it to make a thermometer and hygrometer.

Key Features

01 **Highaccuracy and wide range of temperature and humidity measurements**

02 **Humidity**

0 to 99.9 %RH with ±2% accuracy

03 **Temperature**

-40 to 80°C with an accuracy of ±0.5°C

04 **Ultra-low power consumption**

standby current supply as low as 40uA

05 **Professional choice for relatively demanding applications**

outperforms the basic DHT11

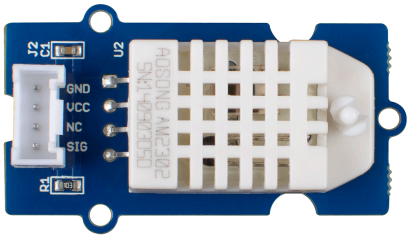
06 **Better compatibility**

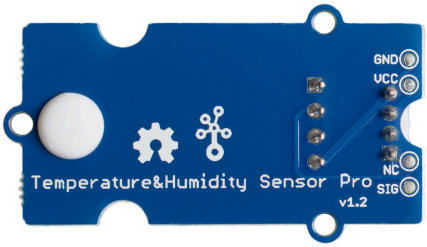
digital output of sensor data, I^2C interface makes it more versatile

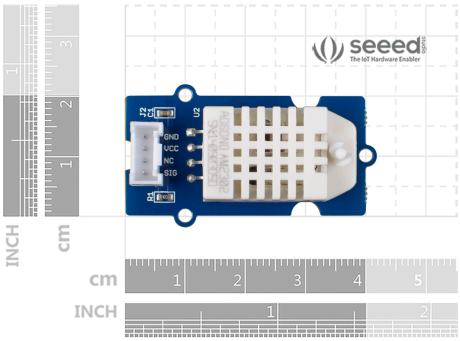
07 **Starter-friendly**

Factory calibrated, easy to use, and backed by detailed wiki and documentation

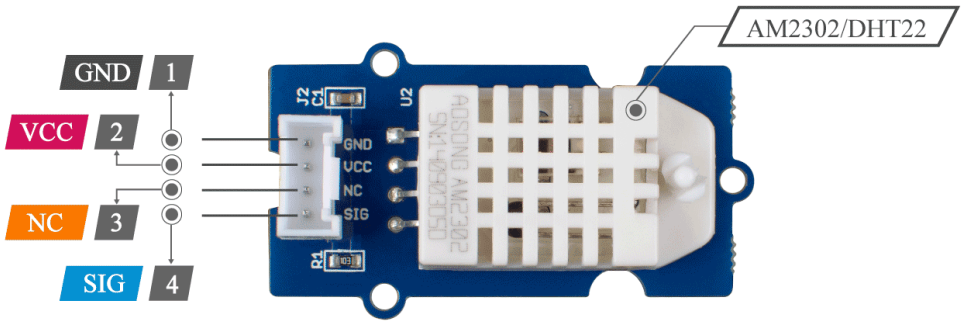
Product Gallery







Hardware Overview



1 : connect to the GND of Raspberry pi
2 : 3.3v / 5v
3 : not connected
4 : data output

Applications

- **Environmental monitoring**
- **Thermometer and hygrometer**
- **Dehumidifier**

Resource Links

- https://www.seeedstudio.com/Grove-Temperature-Humidity-Sensor-Pro-AM2302-DHT22.html
- Temperature&Humidity Sensor Pro in eagle format
- Temperature&Humidity Sensor Pro PCB in PDF format
- Temperature&Humidity Sensor Pro Schematic in PDF format
- Temperature&Humidity Sensor Pro library
- AM2302-CN.pdf
- AM2302-EN.pdf

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