

INDUSTRIAL PRODUCT DATASHEET

Grove - Temperature & Humidity Sensor (DHT11)

The Grove - Temperature & Humidity Sensor (DHT11) offers high-accuracy humidity (5 to 95% RH $\pm 5\%$) and temperature (-20 to 60°C $\pm 2\%$) measurement with single-bus digital output, ideal for weather stations, automatic control, an...

SKU

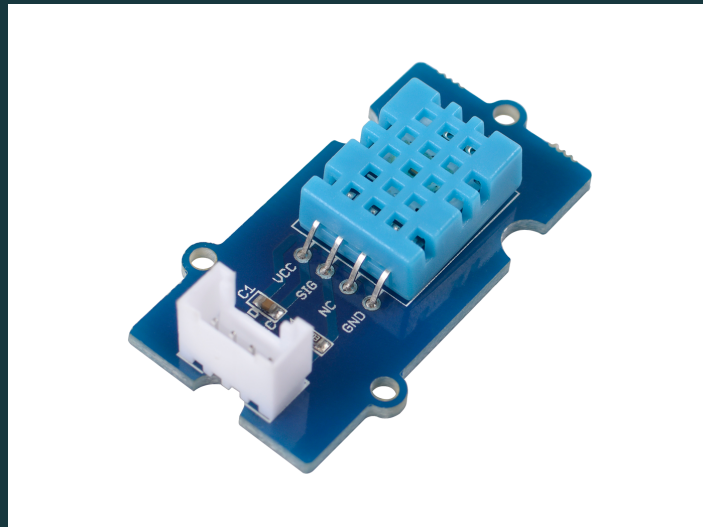
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UPDATED

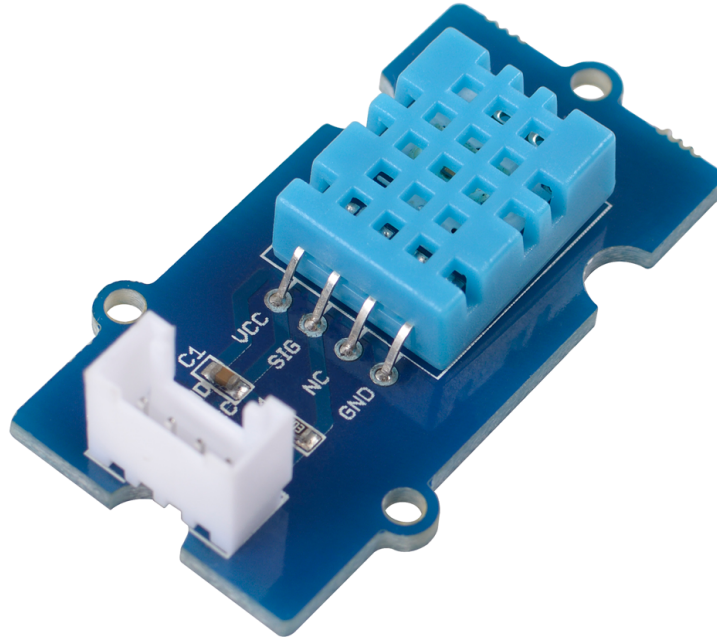
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PRICE

\$5.00(Excl. VAT)



Overview

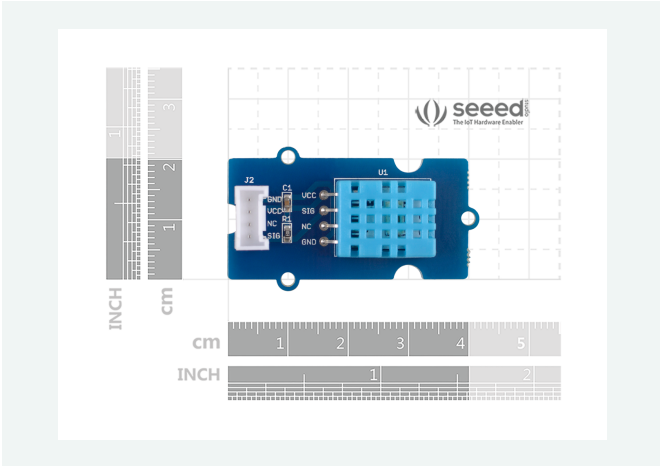
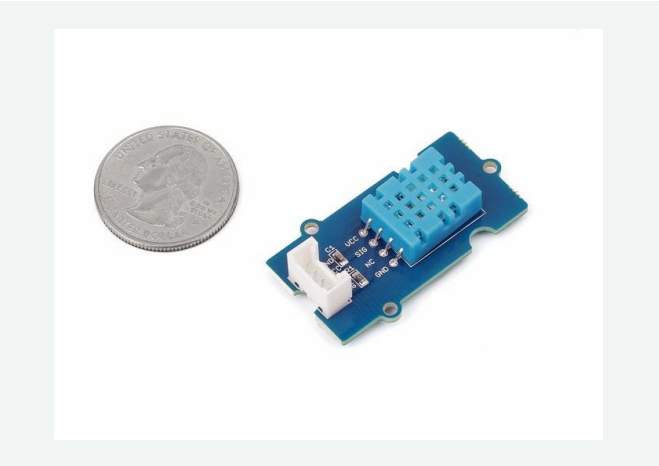
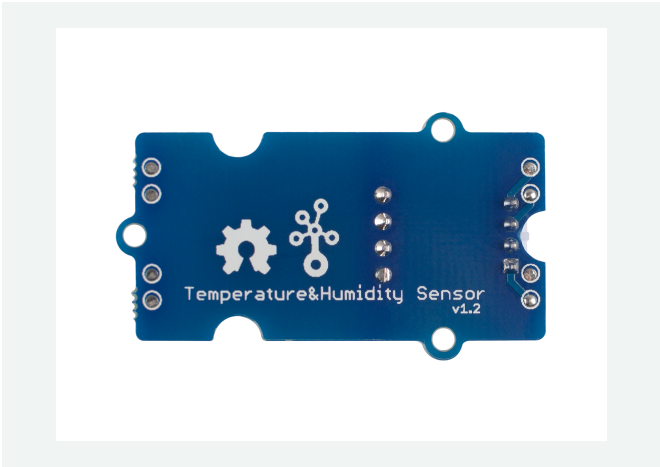
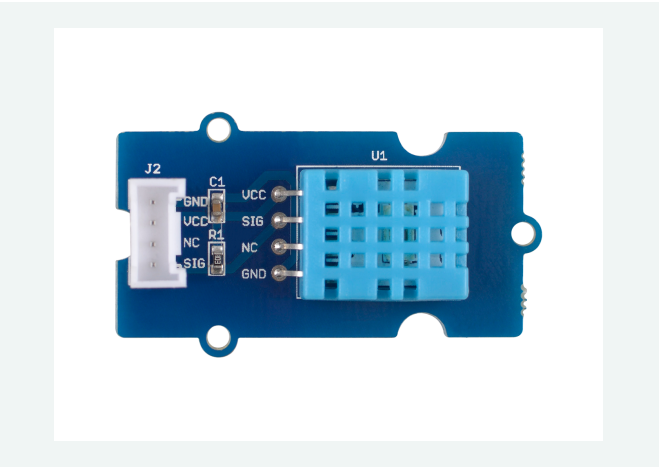


The Grove - Temperature & Humidity Sensor (DHT11) provides high measurement accuracy and a wide range, measuring humidity from 5 to 95% RH ($\pm 5\%$) and temperature from -20 to 60°C ($\pm 2\%$), with single-bus digital signal output through a built-in ADC to save I/O resources, along with high stability, low cost, long transmission distance, and excellent long-term stability. Typical applications include weather stations, automatic control, and testing and inspection equipment.

Key Features

- **High measurement accuracy and wide range:** Humidity range of **5** to **95%** RH with a **$\pm 5\%$** and also a temperature range of **-20** to **60°C** with a **$\pm 2\%$** .
- **Save the I/O resources of the control board:** single-bus digital signal output through the built-in ADC
- **High Stability and Low Cost**
- **Long transmission distance and excellent long-term stability**

Product Gallery



Applications

- Weather station
- Automatic control
- Testing and inspection equipment

Part List

Grove - Temperature & Humidity Sensor	1
Grove Cable	1

Compliance & Logistics



HSCODE	9025900090
USHSCODE	9025900600
UPC	841454107552
EUHSCODE	9013101000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Grove-Temperature-Humidity-Sensor-DHT11.html>
- [DHT11 Datasheet](#)
- [Temperature&Humidity Sensor eagle file](#)
- [Temperature&Humidity Sensor Library](#)
- [CDC File](#)

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