

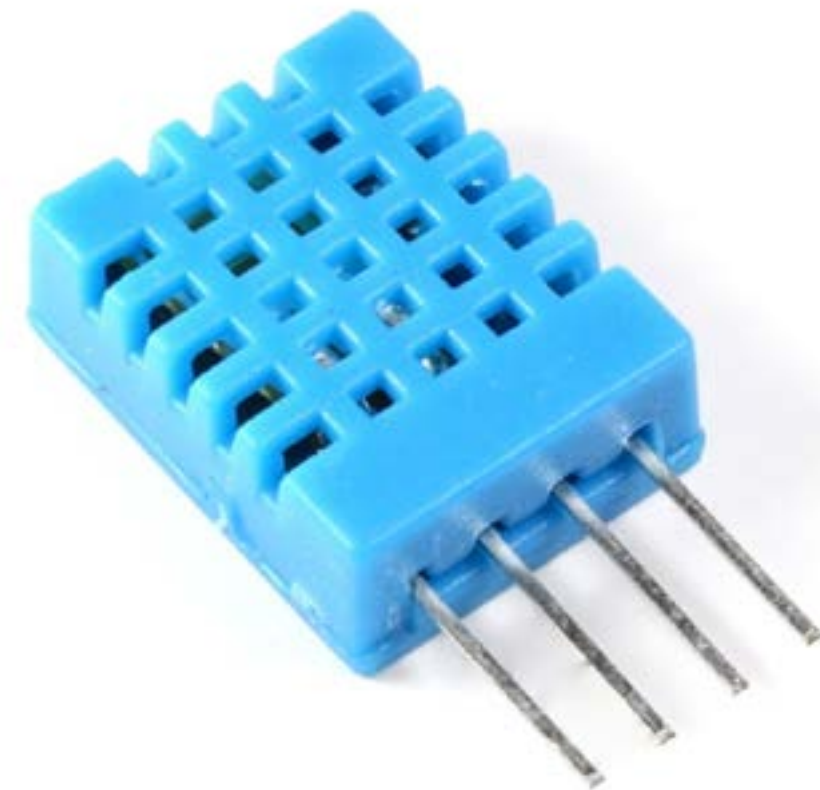
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HOW TO USE A TEMPERATURE and HUMIDITY SENSOR



DHT11



DHT22

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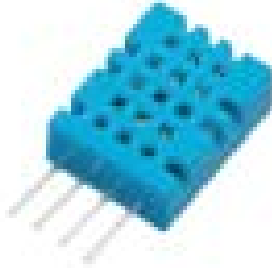

DHT22 vs. DHT11

Both sensors measure temperature (°C) and humidity (% RH).

WHICH ONE SHOULD YOU CHOOSE?

READ MORE:
<https://www.estartrade-ic.com/dht22-vs-dht11-which-one-to-choose/>

WARNING!
They are not waterproof

Image		
Part Number	DHT11	DHT22
Price	\$1 to \$5	\$4 to \$10
Sampling period	1 second	2 seconds
Current supply	0.5 ~ 2.5 mA	1 ~ 1.5 mA
Operating voltage	3 ~ 5.5 V	3 ~ 6 V
Temperature range	0 ~ 50 °C (+/-2 °C)	-40 ~ 80 °C (+/-0.5° C)
Humidity range	20 ~ 90% (+/-5%)	0 ~ 100% (+/-2%)
Body size	15.5mm x 12mm x 5.5mm	15.1mm x 25mm x 7.7mm
Resolution	Humidity: 1% Temperature: 1°C	Humidity: 0.1% Temperature: 0.1° C

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There's no activity included for this section.

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CHALLENGE:

1. Print Temperature and Humidity data on Serial Monitor

Follow the tutorial:

<https://www.makerguides.com/dht11-dht22-arduino-tutorial/>

2. Upload a video (aprox 10 seconds) showing your achievements.

VIDEO UPLOAD

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FURTHER LEARNING

Display data in a LCD screen

<https://www.circuitbasics.com/how-to-set-up-the-dht11-humidity-sensor-on-an-arduino/>