

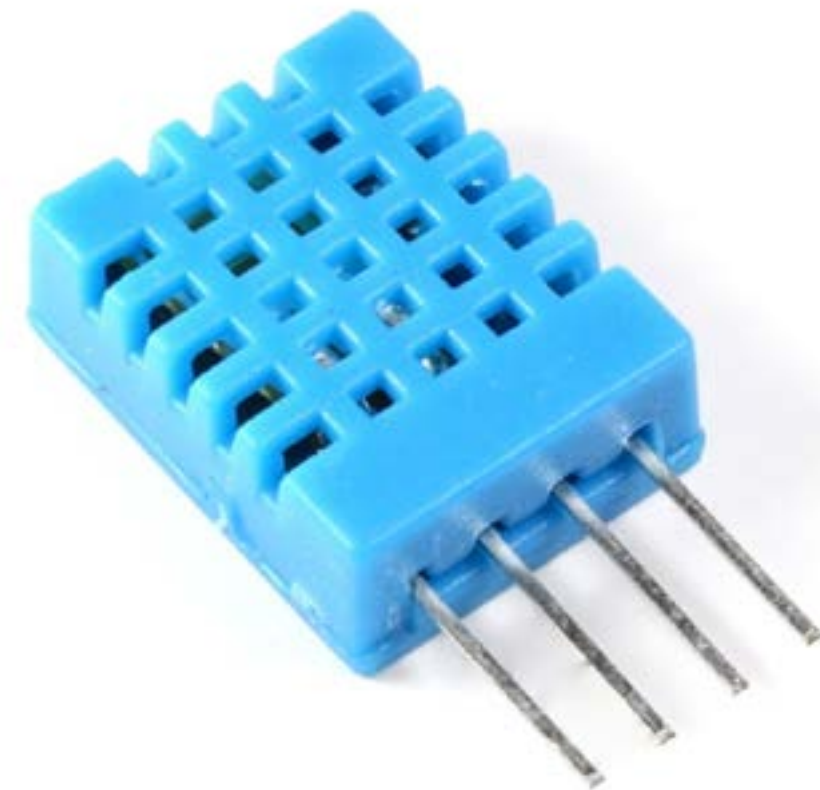
DOCUMENTATION

ACTIVITY

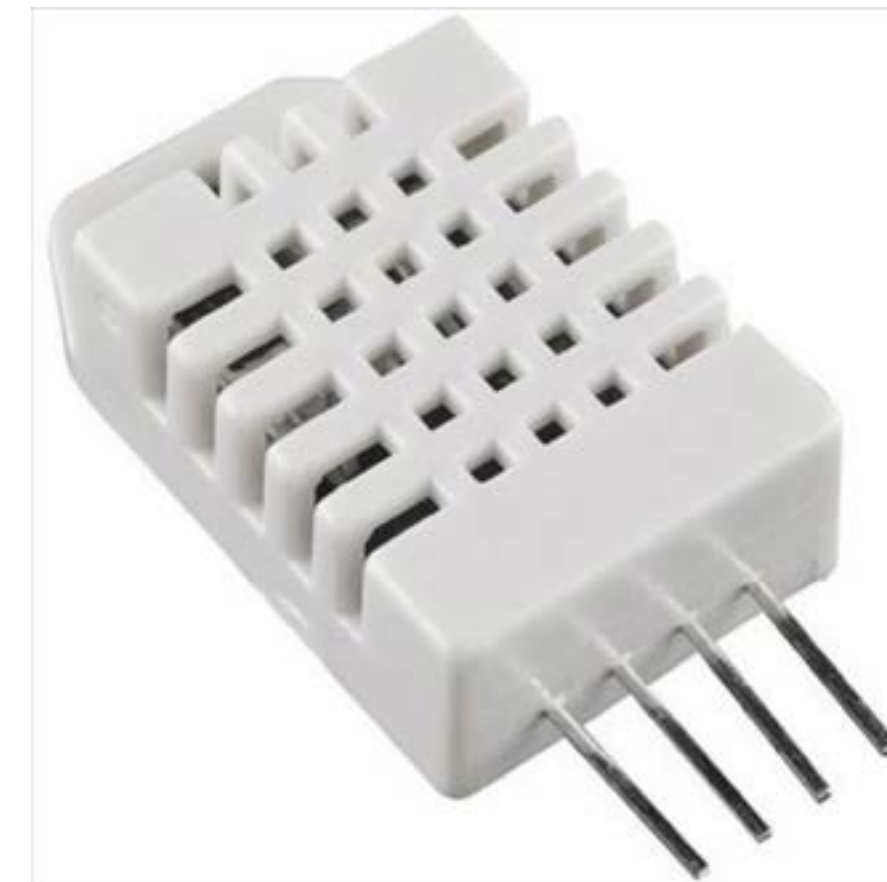
ASSESSMENT

USEFUL LINKS

# 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 in the 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/>