



Part 8 of 15



Temperature sensor DHT11

Measures the temperature and the humidity

In your kit: 1x

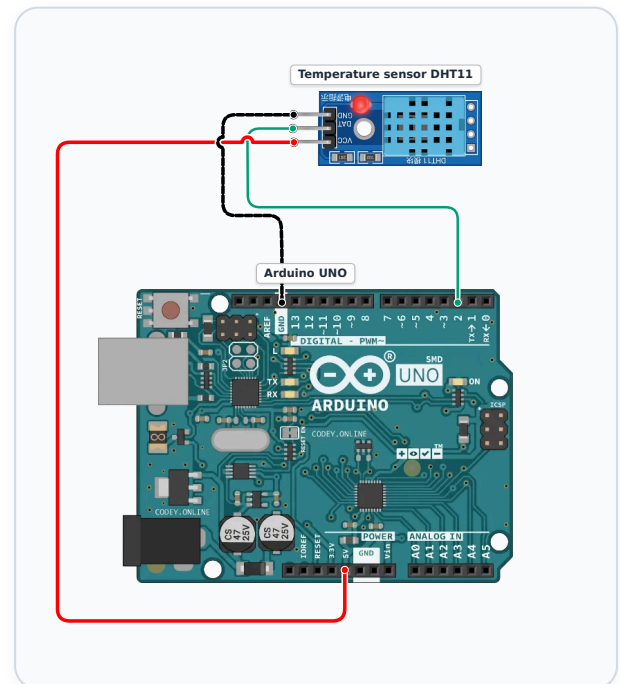
What is it?

The DHT11 measures how warm it is (in degrees Celsius) and how humid the air is (in percent). It gives a new measurement every 2 seconds.

This is how you connect it

- **DAT** (data) to a pin, for example D2
- **VCC** to 5V
- **GND** to GND

Wiring diagram



- Arduino UNO · 5V → Temperature sensor DHT11 · VCC
- Arduino UNO · GND → Temperature sensor DHT11 · GND
- Arduino UNO · D2 → Temperature sensor DHT11 · DAT

What can you do with it?

- A mini weather station
- A fan that turns on when it is too warm
- A warning when it is too humid in the bathroom

Tip

Try breathing on the sensor. Then you will see the humidity go up right away!

Projects with this part

★★ Mini weather station

★★★★ Smart fan