

AM2302 DHT22 Digital Temperature and Humidity Sensor Module 5V



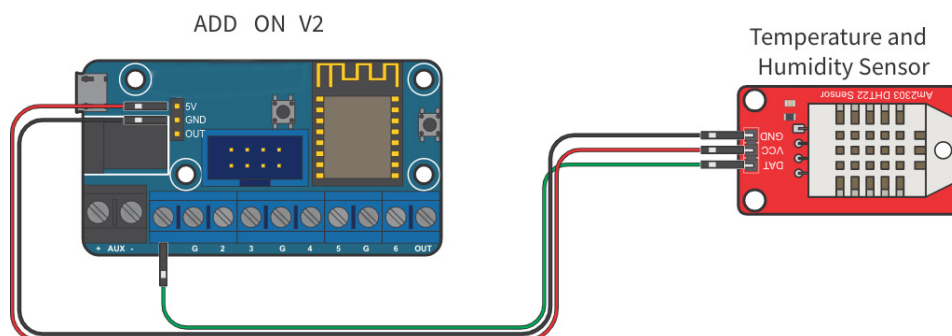
Features:

The AM2302 (DHT22) is a digital-output relative humidity and temperature sensor with excellent long-term stability and calibration. Each sensor is factory-calibrated, with coefficients stored in its internal microcontroller for accurate digital signal output. Its capacitive humidity sensing and precision temperature element ensure a wide measurement range with high reliability and low power consumption. With a single-wire bus interface, integration is simple and efficient, making it ideal for HVAC systems, weather monitoring, and IoT applications.

Specifications	
Model	AM2302 / DHT22
Operating Voltage	5V DC
Humidity Range	0–100% RH
Temperature Range	-40°C to +80°C
Humidity Accuracy	±2% RH
Temperature Accuracy	±0.5°C
Resolution	0.1
Interface	Single-bus digital
Signal Distance	Up to 20m
Usage	Temperature and humidity sensing for monitoring and control

Pinouts:

Pin Name	Type	Description
VCC	Power	5V DC power supply
GND	Ground	Common ground
DAT	Signal	Digital data output



Product Dimensions:

AM2302 DHT22



Product Pictures:

