

Micro Module Temperature and Humidity Sensor



Overview

The extension can be used for DHT11 or DHT22 sensors. Use the first block to select module type and read data (it is recommended to wait between queries; at least 1 second for DHT11 and 2 seconds for DHT22), then use the second on. The extension can be used for DHT11 or DHT22 sensors. Use the first block to select module type and read data (it is recommended to wait between queries; at least 1 second for DHT11 and 2 seconds for DHT22), then use the second one to read either humidity level (%) or temperature (celsius). This extension also verifies checksum from sensors. If the. There are two types of DHT11/DHT22s, one without PCB boards and have 4 pins; another have PCB boards, built-in pull up resistors and only 3 pins. Personally I would recommend you to use PCB versions. For the PCB version it's easy: Vcc (+) to 3.3V or 5V (both works), GND (-) to GND, Data (out) to any GPIO pins you like. Be noted that some PCB versio. The DHT modlue might not be responsive if you query it immediatly after powering up. In this case you'll need to manually restart micro:bit while connecting to power, or add a small delay (like `basic.pause(100)`) in "on start" block. The driver also checks if the sensor respond to protocol before querying (in case the sensor somehow disconnected). T.



Article Content

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Temperature and humidity sensor is a module based on DHT11 digital

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GAOOMINY. SCD41 Gas Sensor One Sensor Module Detects Parts Accessories Carbon Dioxide, Temperature and Humidity. Carbon dioxide is a key indicator of indoor air quality, damaging human

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HDC3022 data sheet, product information and support | TI

The HDC3020FLXEVM is a flexible printed circuit (FPC) based breakout sensor board. It enables users to evaluate the performance of the HDC3020 digital relative humidity (RH) and temperature sensor

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HOW to Use DHT11 Sensor to Detect Temperature And Humidity with

In this experiment, we connected the signal end of the DHT11 temperature and humidity sensor to P0 of the micro: bit motherboard, and read the relevant data and calculate the temperature and humidity

May 27, 2026

2MP Global Shutter Camera Module 30X Zoom 60fps Starlight WDR

Brand Name UNIVISION Genre optical Camera Module sensor 1/2.8" Global Shutter CMOS lens 5.4~162mm, 30x Optical Zoom Fov H:43.84-1.53° (wide-tele) Minimum Illumination Color:0.001 Lux

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Learn how to use the DHT11 temperature and humidity sensor with the Arduino and MicroPython, how to write MicroPython code for the Arduino to read temperature

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3MP CMOS Global Shutter 45X Zoom Two-Way Audio Night Vision

Genre:optical Camera Module;sensor:1/3.1 Global Shutter CMOS;lens:4.7~212mm, 45x Optical Zoom;Fov:H:52.23-1.25° V:40.37-0.93° D:63.00-1.56°;Minimum Illumination ...

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Learn how to use the DHT11 and DHT22 temperature and humidity sensors with ESP32 using Arduino IDE. It includes wiring, circuit diagram and Arduino sketch.

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The Temperature and Humidity Module is a valuable sensor that allows you to monitor environmental conditions in real-time. It combines a

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Micro Robotics

DF Robot BME680 Environmental Sensor (4-in-1 Gas, Temperature, Humidity & Pressure) The DFRobot BME680 Environmental Sensor is a compact, low-power

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13. Temperature and Humidity — MicroPython latest documentation

DHT (Digital Humidity & Temperature) sensors are low cost digital sensors with capacitive humidity sensors and thermistors to measure the surrounding air. They feature a chip that handles analog to

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9 Arduino Compatible Temperature Sensors | Random

Reading temperature with Arduino is a very useful task. Here's a list of 9 cheap and easy-to-use temperature sensors. They are also compatible with ESP32,

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4K Security Camera 120X Optical Zoom CMOS Sensor Starlight

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UNIVISION 4K 8MP 120X Zoom 1/1.8" CMOS Security Camera Module

Genre optical Camera Module sensor 1/1.8" Progressive Scan CMOS lens
10~1200mm Fov H:38.10-0.34° Minimum Illumination Color:0.0005 Lux @ (F2.1, AGC ON); B/W:0.0001Lux @ (F2.1, AGC ON)

Sep 08, 2025

Digital-output relative humidity & temperature sensor/module

Capacitive-type humidity and temperature module/sensor Feature & Application: Full range temperature compensated * Relative humidity and temperature measurement Calibrated digital signal

Jul 30, 2025

alankrantas/pxt-dht11_dht22 0.0.3

The HDC3020FLXEVM is a flexible printed circuit (FPC) based breakout sensor board. It enables users to evaluate the performance of the HDC3020 digital relative humidity (RH) and temperature sensor

Aug 25, 2025

MicroPython Skill Builders

This tutorial will demonstrate the use of temperature & humidity sensors using MicroPython with a Raspberry Pi Pico, to obtain handy readings to

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Inland DHT11 Temperature Humidity Moisture Sensor

Get it now! DHT11 is a Humidity and Temperature Sensor, which generates calibrated digital output. DHT11 can be interface with any

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Humidity and Temperature Sensor DHT11

Hi, I made DHT11 part. It is based on existing RHT part. I have installed Fritzg today because I'm starting with Arduino, so quality of this work

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MicroPython: ESP32/ESP8266 with DHT11/DHT22

This tutorial shows how to use the DHT11 or DHT22 temperature and humidity sensors with the ESP32 and ESP8266 development boards using MicroPython

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We deal in Electronic Sensors, Modules, Breakout Boards, Arduino micro-controllers, humidity sensors, programmers and Circuit Boards etc.

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1080P Security Camera 46X Optical Zoom Starlight Vision Auto Focus

Genre:optical Camera Module;sensor:1/2.8 Progressive Scan CMOS;lens:7~322mm, 46x Optical Zoom;Fov:H:42-1° (wide-tele) V:24-0.6° (wide-tele) D:47.7-1.26° (wide-tele ...

Contact Us

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