

Grove AHT20 I²C Temperature And Humidity Sensor

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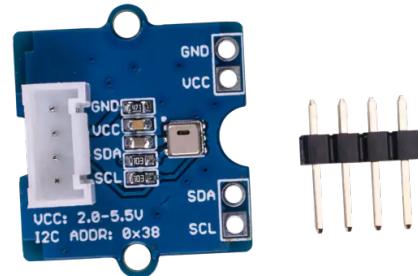
Product Overview

09/01/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Seeed Studio Grove AHT20 I²C Temperature And Humidity Sensor is based on the HT20 sensor. This AHT20 sensor is a new generation temperature and humidity sensor embedded with a dual-row flat and no-lead SMD package. The AHT20 temperature and humidity sensor is equipped with a newly designed ASIC chip, an improved MEMS semiconductor capacitive humidity sensor, and a standard on-chip temperature sensor.



The AHT20 temperature and humidity sensor features quick response, strong anti-interference ability, long-term stability, and digital output. This sensor operates between -40°C to 85°C temperature range and is ideal for reflow soldering.

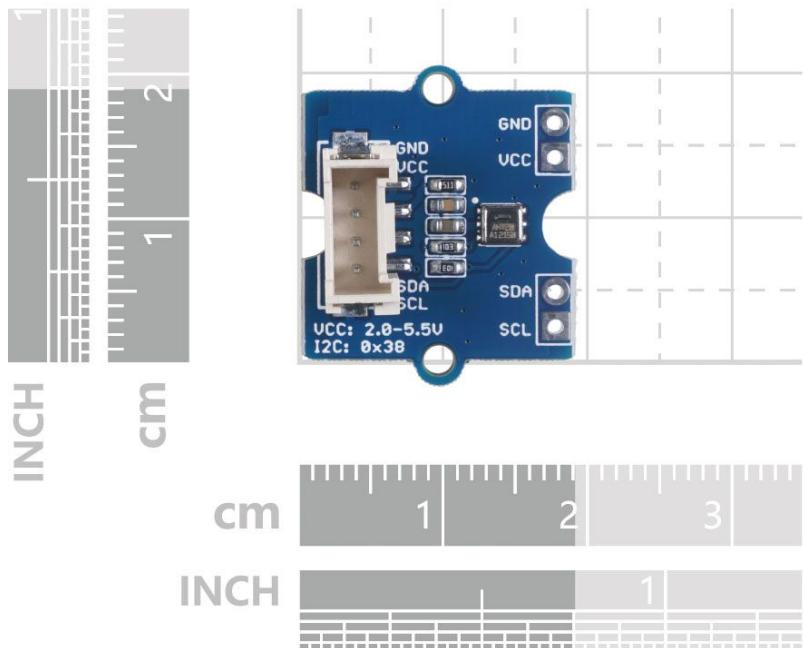
Features

- Digital output
- Grove I²C interface
- Excellent long-term stability
- SMD package suitable for reflow soldering
- Quick response and strong anti-interference ability
- Compatible with Arduino
- 4-pin interface reserved

Specifications

- 2VDC to 5.5VDC operating voltage
- 0%RH to 100%RH humidity measurement range
- -40°C to 85°C operating temperature range
- $\pm 2\%$ RH (25°C) humidity accuracy
- $\pm 0.3^\circ\text{C}$ temperature accuracy
- 0x38 I²C address
- 24mm x 20mm x12mm dimensions

Board Dimensions



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/seeed-studio/seeed-grove-aht20-i2c-sensor/>