SHT40 Temperature & Humidity Sensor Board

Product Overview
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Description
Adafruit SHT40 Temperature and Humidity Sensor Board integrates a fourth-generation, high-accuracy sensor and is designed with a true I²C interface for easy interfacing with only two wires. This sensor board includes I²C fast mode plus, CRC checksum, I²C address 0x44, and a variable power heater.

The SHT40 temperature and humidity sensor board offer ±1.8% typical relative humidity accuracy from 25% to 75% and ±0.2°C typical accuracy from 0°C to 75°C. This sensor board is written Arduino and CircuitPython/Python library code to work with any microcontroller or single-board computer like Raspberry Pi.

Features
• Fully functional in a condensing environment
• Includes SparkFun Qwiic compatible STEMMA QT connectors for the I²C bus
• Variable power heater
• NIST traceability for sensor
• JEDEC JESD47 qualification for sensor
• Mature technology from sensirion
• 0x44 I²C address
• RoHS compliant

Specifications
• Up to ±1.8% relative humidity accuracy
• Up to ±0.2°C temperature accuracy
• 0.4μA average bare sensor current (at a measurable rate 1Hz)
• 80nA idle bare sensor current
• 3.3V to 5V breakout supply voltage
• 0% to 100% relative humidity and -40°C to 125°C operating range
Mouser Part Number

View Part

To learn more, visit https://www.mouser.in/new/adafruit/adafruit-sht40-sensor/