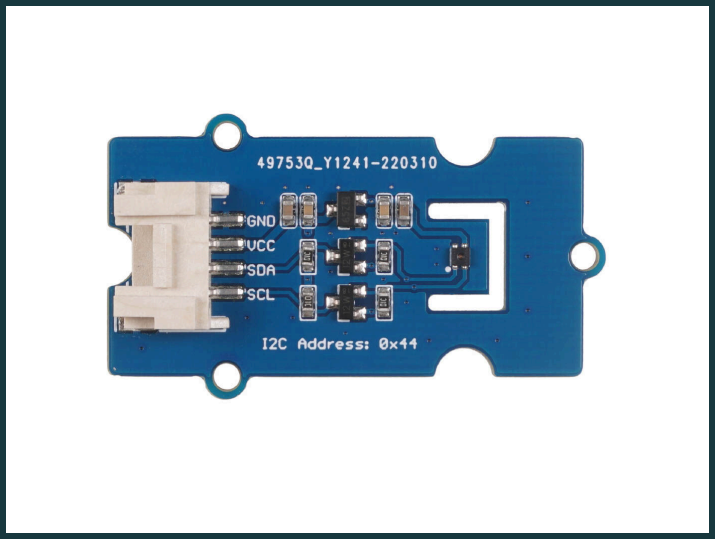
seeed studio

INDUSTRIAL PRODUCT DATASHEET

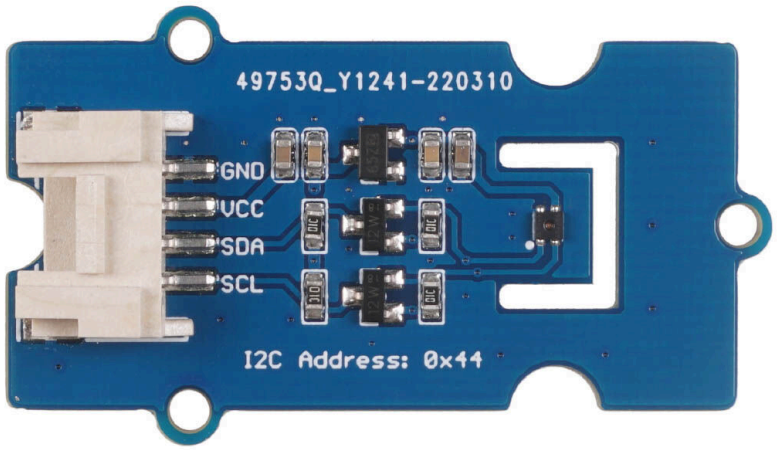
Grove - Temperature & Humidity Sensor(SHT40), I2C, ±1.8% / max. ±3.5% RH and ±0.2°C Temp, ideal for Climate Monitoring, Smart Home

Grove -Temperature&Humidity Sensor (SHT40) is a digital Humidity and Temperature Sensor which has an accuracy rate of up to ±1.8% ~ ±3.5% RH and ±0.2 °C, and an operating range of 0% to 100% RH, -40°C to +125°C.

SKU	UPDATED	PRICE
101021032	2026-11-11 08:48:47	$5.50(Excl. VAT)



Overview



Grove -Temperature&Humidity Sensor (SHT40) is a digital Humidity and Temperature Sensor which has an accuracy rate of up to ±1.8% ~ ±3.5% RH and ±0.2 °C, and an operating range of 0% to 100% RH, -40°C to +125°C. It comes with a SEEED's standard grove I2C interface enabling developers or even beginners to easily communicate with the STH40 sensor on different hardware platforms. All of which make it an excellent choice for a wide variety of applications, such as Climate Monitoring, Smart Home, etc.

Key Features

01 **Reliable precision measurement**

Accuracy of±1.8% ~ ±3.5% RH and ±0.2°C, operating between 0-100% RH and -40-125°C

02 **Condensing environments**

Fully functional in condensing or environment close to saturation. (with a variable power heater)

03 **Serial Protocol**

Grove I2C interface with an ultra-low-power budget, standard, fast mode, and fast mode plus I2C address sensor

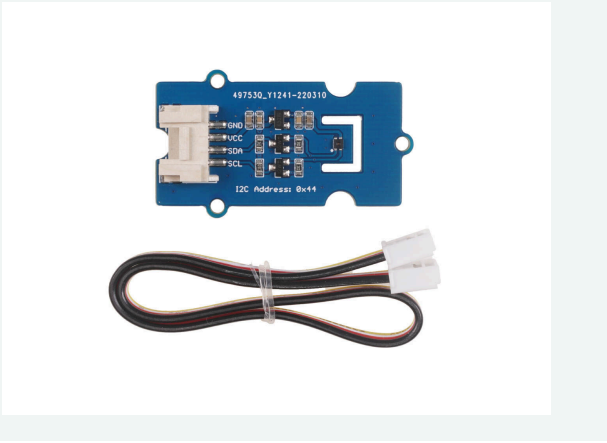
04 **Stress-Test-Driven Qualification**

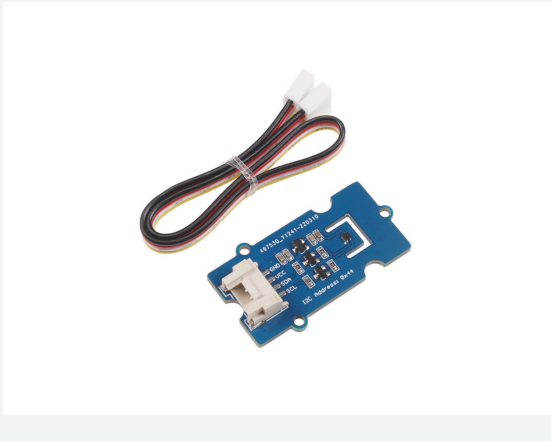
SHT4x sensor is JEDEC JESD47 qualified

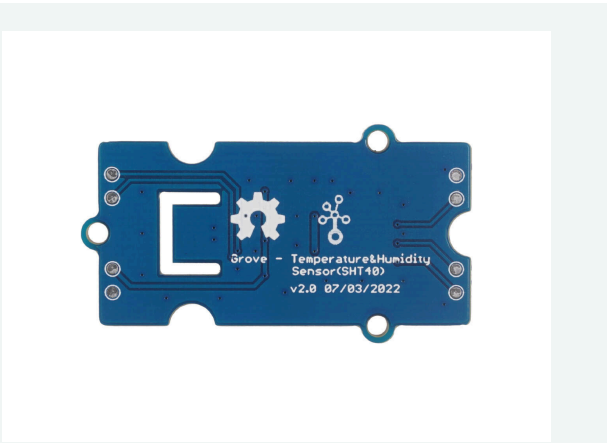
05 **Versatile connectivity**

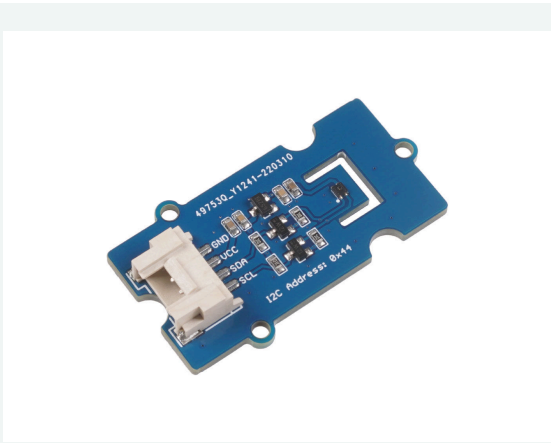
The Grove interface enables effortless "Plug and Play", while its adaptability makes it ideal for environment detection of applications

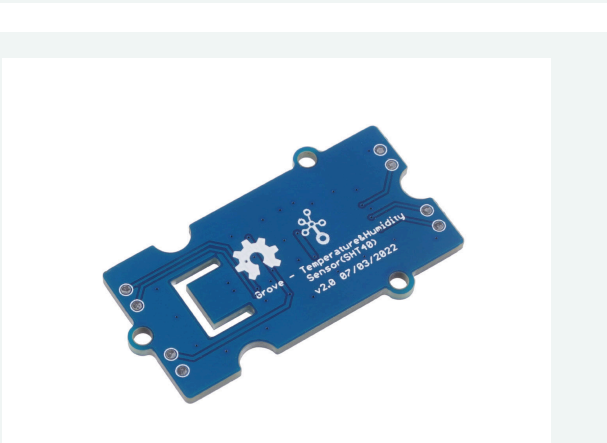
Product Gallery

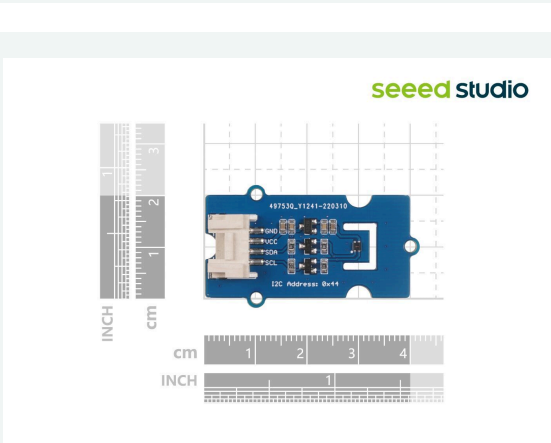












Resource Links

- https://www.seeedstudio.com/Grove-Temp-Humi-Sensor-SHT40-p-5384.html
- SHT4x Sensor Datasheet
- Community Innovations: A Showcase of Sensirion-Based Grove Projects

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