

INDUSTRIAL PRODUCT DATASHEET

Grove - Temperature & Humidity Sensor(SHT40), I2C, $\pm 1.8\%$ / max. $\pm 3.5\%$ RH and $\pm 0.2^{\circ}\text{C}$ Temp, ideal for Climate Monitoring, Smart Home

High-accuracy Grove temperature and humidity sensor (SHT40) with I2C, condensing-environment tolerance, and ultra-low power, perfect for smart home and climate monitoring.

SKU

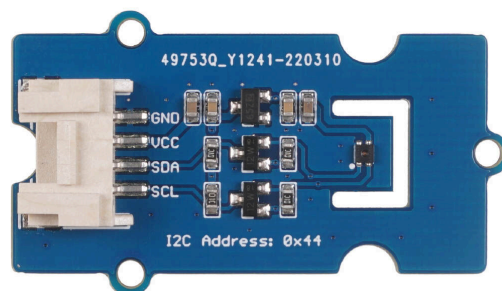
101021032

UPDATED

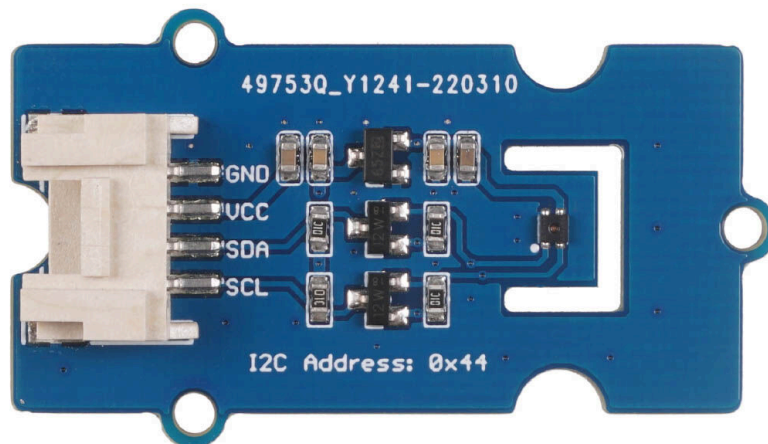
2026-06-29 05:51:39

PRICE

\$5.50(Excl. VAT)



Overview

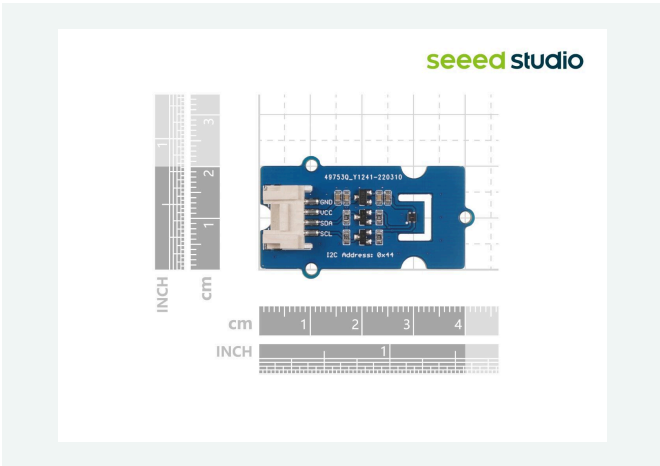
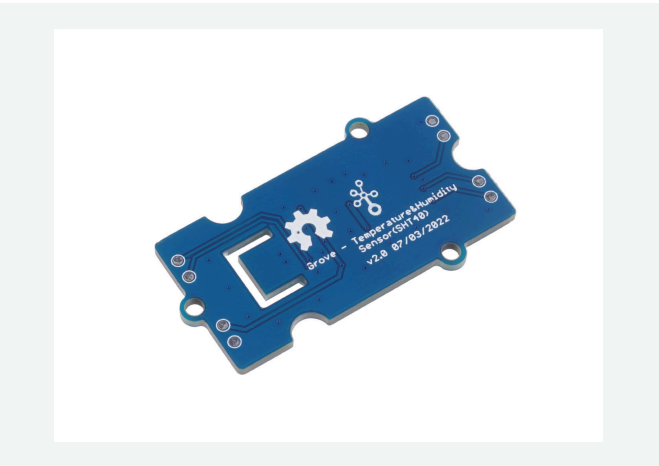
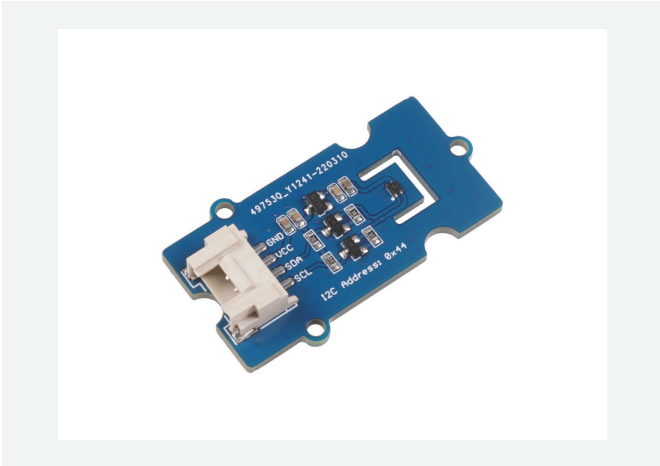
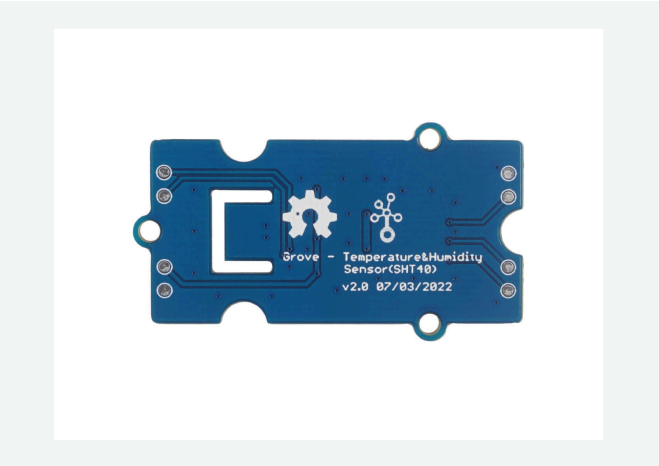
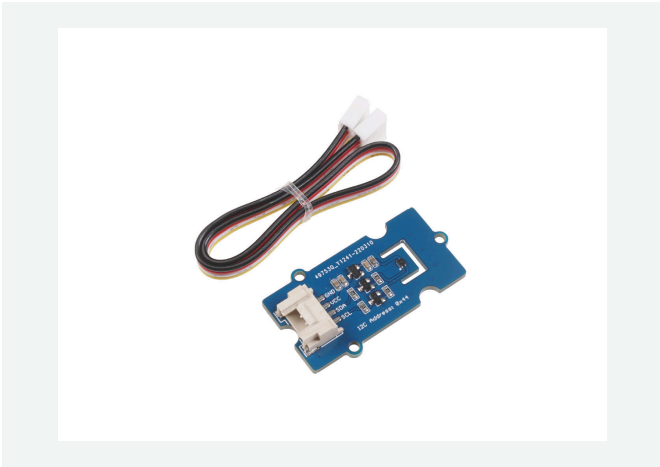
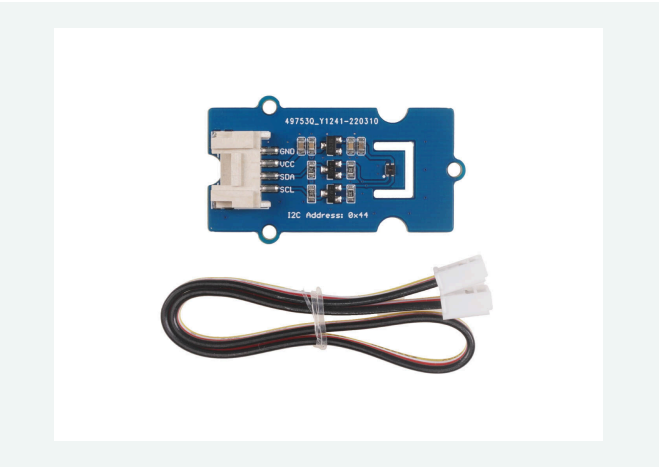


The Grove - Temperature & Humidity Sensor (SHT40) provides reliable precision measurements with $\pm 1.8\%$ to $\pm 3.5\%$ RH and $\pm 0.2^\circ\text{C}$ accuracy, operating from 0-100% RH and -40 to 125°C , and fully functional in condensing environments with a variable power heater. Its Grove I2C interface ensures effortless plug-and-play connectivity with ultra-low power consumption, making it ideal for climate monitoring and smart home applications.

Key Features

- **Reliable precision measurement:** Accuracy of $\pm 1.8\%$ ~ $\pm 3.5\%$ RH and $\pm 0.2^\circ\text{C}$, operating between 0-100% RH and -40 - 125°C
- **Condensing environments:** Fully functional in condensing or environment close to saturation. (with a variable power heater)
- **Serial Protocol:** Grove I2C interface with an ultra-low-power budget, standard, fast mode, and fast mode plus I2C address sensor
- **Stress-Test-Driven Qualification:** SHT4x sensor is JEDEC JESD47 qualified
- **Versatile connectivity:** The Grove interface enables effortless "Plug and Play", while its adaptability makes it ideal for environment detection of applications

Product Gallery



Part List

Grove - Temperature&Humidity Sensor(SHT40)	1
Grove Cable	1

Compliance & Logistics



HSCODE	9025800090
USHSCODE	9025900600
UPC	
EUHSCODE	9013101000
COO	CHINA

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](#)

Seeed Technology Co.,Ltd.

9F, Building G3, International E City,
 Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676

Web: www.seeed.cc

Shop: www.seeedstudio.com