

INDUSTRIAL PRODUCT DATASHEET

Grove - I2C High Accuracy Temp&Humi Sensor (SHT35), I2C, $\pm 1.5\%$ RH and $\pm 0.1^{\circ}\text{C}$, ideal for Smart Home, Industrial Automation

The Grove - I2C High Accuracy Temp&Humi Sensor (SHT35) delivers $\pm 1.5\%$ RH and $\pm 0.1^{\circ}\text{C}$ accuracy with I2C and Grove connectivity for smart home and industrial automation.

SKU

101020592

UPDATED

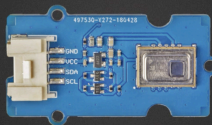
2026-04-24 02:07:37

PRICE

\$13.95(Excl. VAT)



Grove - Infrared Temperature Sensor Array (AMG8833)



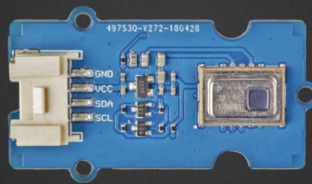
- I2C
- Grove
- Operating Voltage: 3.3 or 5V

So now, let's have a look at a cool demo made using this sensor.

Overview



Grove - Infrared Temperature Sensor Array (AMG8833)



- I2C
- Grove
- Operating Voltage: 3.3 or 5V

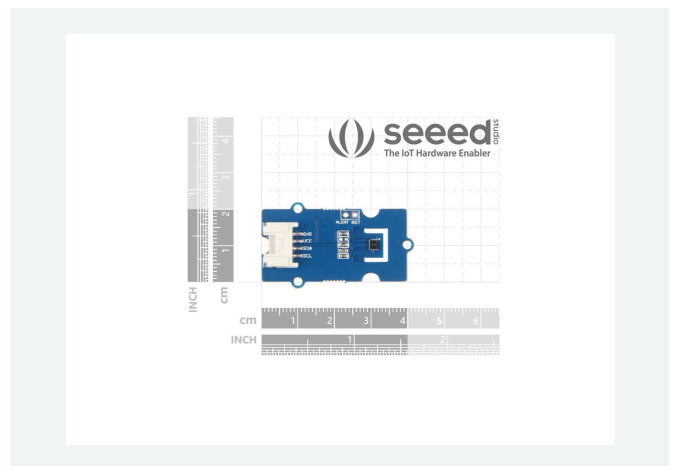
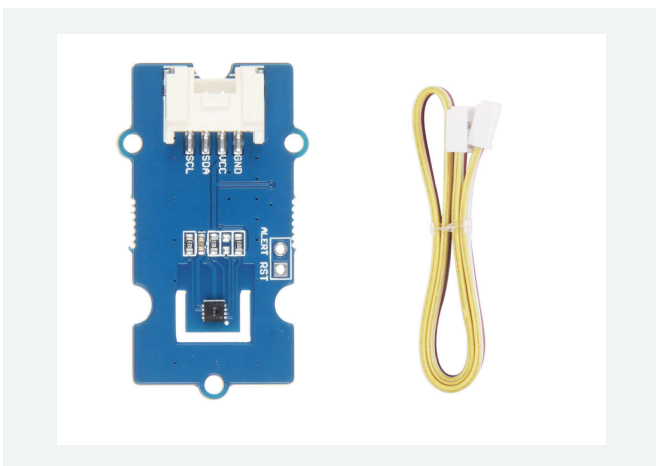
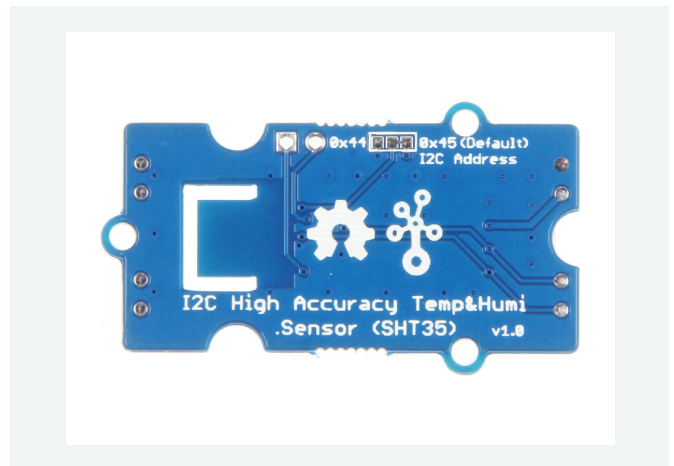
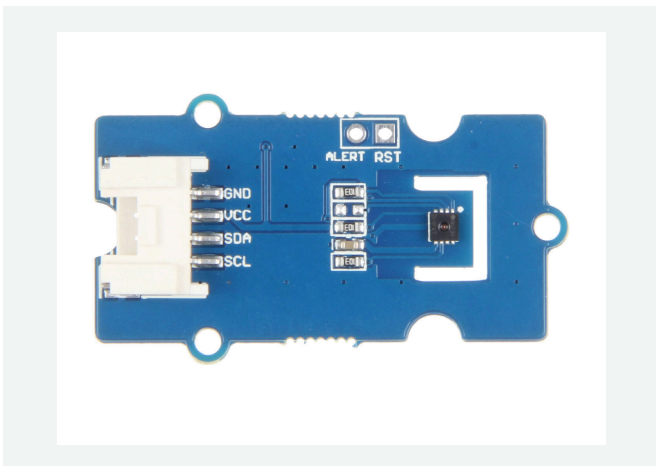
So now, let's have a look at a cool demo made using this sensor.

The Grove - I2C High Accuracy Temp&Humi Sensor (SHT35) provides high-accuracy temperature and humidity sensing with typical accuracies of $\pm 1.5\%$ RH and $\pm 0.1^\circ\text{C}$. It features I2C communication up to 1 MHz, a fully calibrated digital output, 2.15 V to 5.5 V supply range, and Grove plug-and-play interface, suitable for medical, automotive, food processing, industrial freezers/refrigerators, and home/outside environments.

Key Features

- **High accuracy:** Support reliable measurement of RH and temp boasting typical accuracies of $\pm 1.5\%$ RH and $\pm 0.1^\circ\text{C}$, respectively
- **Rapid data transmission :** I2C Interface with communication speeds up to 1 MHz and two user selectable addresses
- **Streamlined performance:** With a fully calibrated, linearized, and temperature-compensated digital output, eliminating delays and ensuring prompt data acquisition
- **Wide compatibility:** Operates on a wide supply voltage range of 2.15 V to 5.5 V, making it compatible with a variety of assemblies.
- **Versatile connectivity:** The Grove interface enables effortless "Plug and Play", while its adaptability makes it ideal for environment detection of applications

Product Gallery



Specification

Dimensions	20mm x40mm x6mm
Weight	G.W 3.1g
Battery	Exclude
Operating Voltage	3.3V / 5V
Specified Temperature Range	-40°C to +125°C
Temperature Resolution	0.01°C
Temperature Accuracy Tolerance	$\pm 0.1^{\circ}\text{C}$
Specified Humidity Range	0%RH to +100%RH
Humidity Resolution	0.01%RH
Humidity Accuracy Tolerance	$\pm 1.5\%$ RH
Interface	I2C
I2C Address	0x45(default) / 0x44(optional)

Applications

- **Medical Use**
- **Home/Outside Environment**
- **Automobile**
- **Food Processing**
- **Industrial Freezers and Refrigerators**

Part List

Grove - I2C High Accuracy Temp&Humi Sensor(SHT35)	1
Grove Cable	1

Compliance & Logistics



HSCODE	9025900090
USHSCODE	9025900600
UPC	841454121220
EUHSCODE	9013101000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Grove-I2C-High-Accuracy-Temp-Humi-Sensor-SHT35.html>
- [Grove - I2C High Accuracy Temp&Humi Sensor\(SHT35\) Eagle Files](#)
- [Seeed SHT35 Library](#)
- [Datasheet SHT3x-DIS](#)
- [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