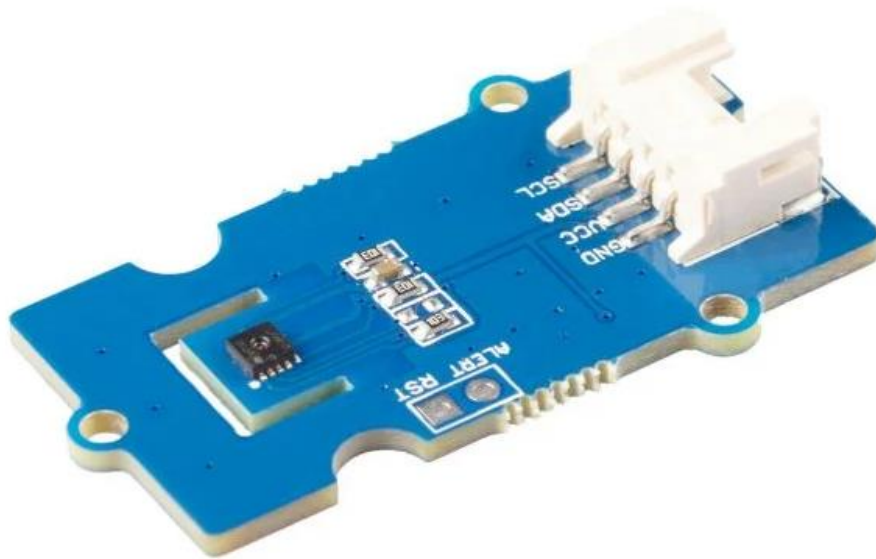


Grove - I2C High Accuracy Temp&Humi Sensor (SHT35)

Part Number: 101020592

Overview:

Grove - I2C High Accuracy Temp&Humi Sensor(SHT35), temperature, humidity, temperature sensor, humidity sensor, Temperature & Humidity, Temperature and Humidity.



Product Details:

Grove - I2C High Accuracy Temp&Humi Sensor (SHT35) is based on SHT3x-DIS, which is the next generation of Sensirion's temperature and humidity sensors. It builds on a new CMOSens[®] sensor chip that is at the heart of Sensirion's new humidity and temperature platform. The SHT3x-DIS has increased intelligence, reliability and improved accuracy specifications compared to its predecessor. Its functionality includes enhanced signal processing, two distinctive and user selectable I2C addresses and communication speeds of up to 1 MHz.

Features:

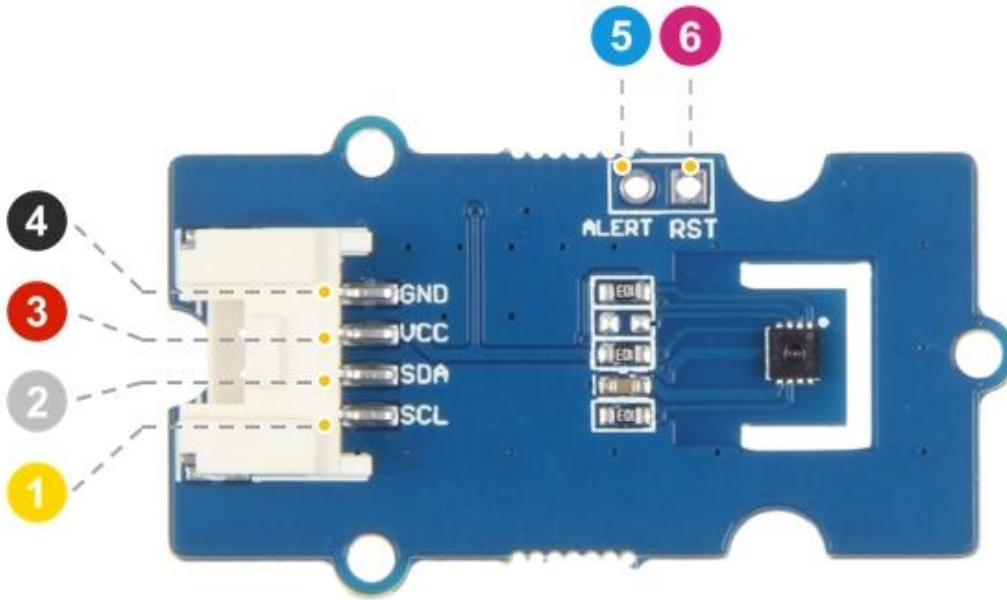
- High accuracy of $\pm 1.5\%$ RH and $\pm 0.1\text{ }^{\circ}\text{C}$
- Fully calibrated, linearized, and temperature compensated digital output
- I2C Interface with communication speeds up to 1MHz and two user selectable addresses
- Very fast start-up and measurement time.

Typical Applications:

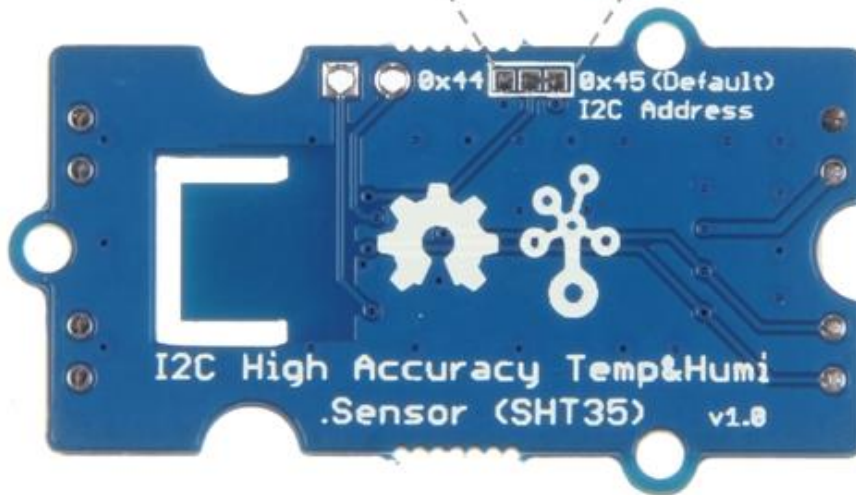
- Industrial Freezers and Refrigerators
- Food Processing
- Personal Computers and Servers
- PC Peripherals

- Consumer Electronics
- Handheld/Portable Devices.

Pin Out:



- 4 GND: connect this module to the system GND
- 3 VCC: you can use 5V or 3.3V for this module
- 2 SDA: I²C serial data
- 1 SCL: I²C serial clock
- 5 ALERT: reserved interrupt pin for customer use
- 6 RST: connect to the reset pin



Technical Details:

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	±0.1 °C
Specified Humidity Range	0%RH to +100%RH
Humidity Resolution	0.01%RH
Humidity Accuracy Tolerance	±1.5 %RH
Interface	I2C
I2C Address	0x45(default) / 0x44(optional)

Part List:

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

ECCN/HTS

HSCODE	9025900090
USHSCODE	9031808070
UPC	841454121305