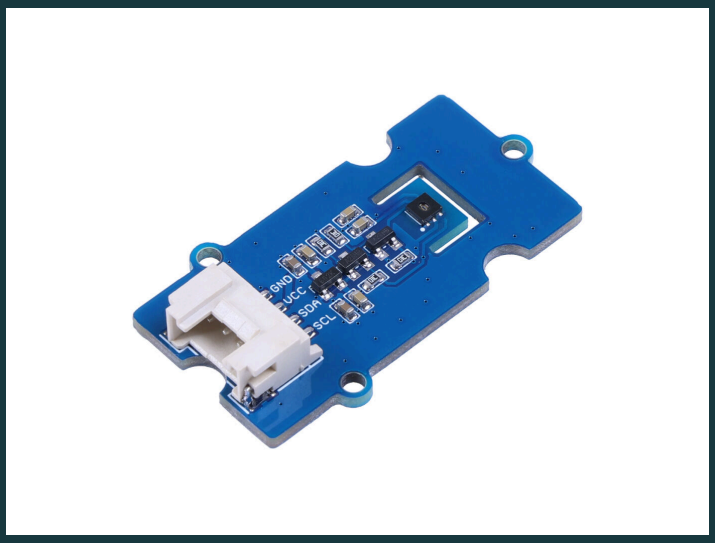
seeed studio

INDUSTRIAL PRODUCT DATASHEET

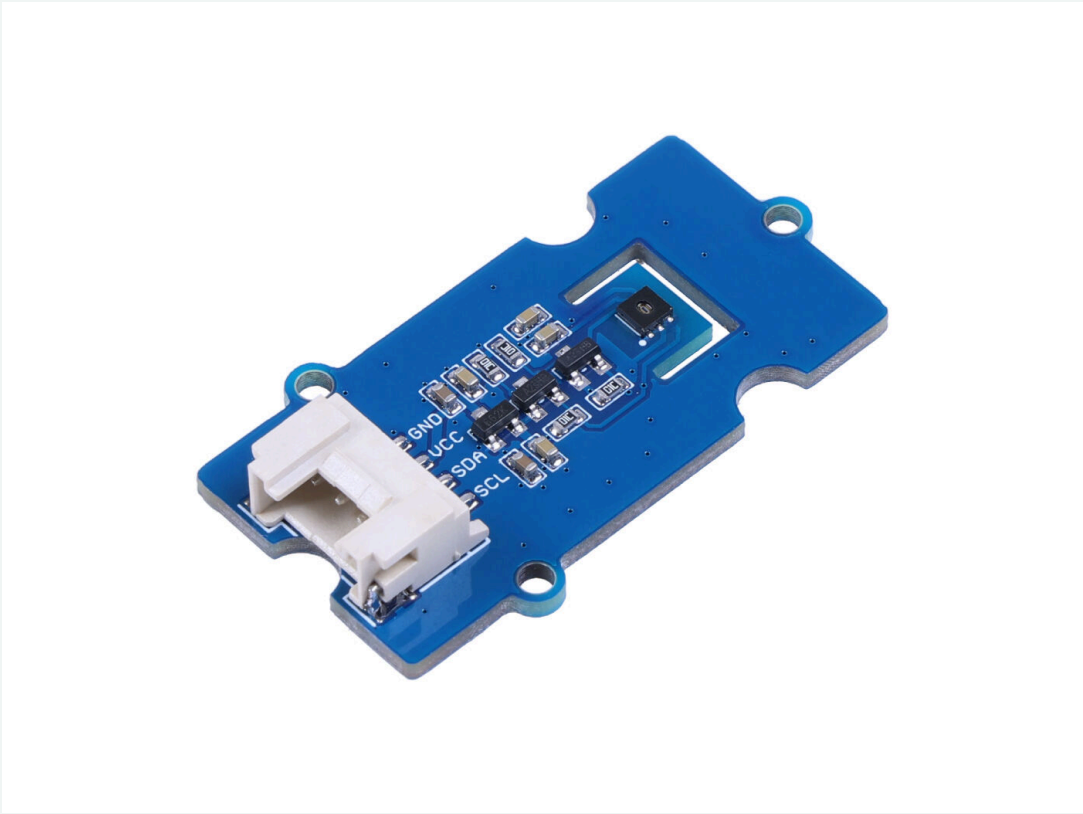
# Grove - VOC Gas Sensor (SGP40), Volatile Organic Compound detection, I2C

The Grove - VOC Gas Sensor (SGP40) is an innovative environmental sensing module developed for a wide array of Volatile Organic Compound (VOC) detection applications.

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 101021095 | 2026-11-11 08:58:56 | $9.90(Excl. VAT) |



# Overview




The Grove - VOC Gas Sensor (SGP40) is an innovative environmental sensing module developed for a wide array of Volatile Organic Compound (VOC) detection applications. This sensor can perform high-quality VOC measurements in real-time.

# Key Features

01 **Reliable and Real-time VOC detection**

It utilizes the Sensirion SGP40 sensor for reliable detection of volatile organic compounds (VOCs).

02 **Simple Connection and Operation**

Uses the standard Grove connector (HY2.0 - 4Pin) for easy integration with other Grove modules. No complex wiring or soldering is required, making it accessible to users of all skill levels.

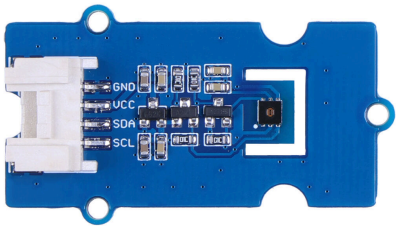
03 **Efficient data transfer**

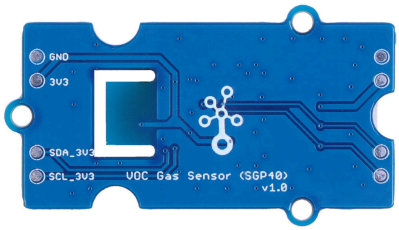
The sensor communicates via the I2C interface, enabling efficient data transfer between the sensor and the main controller.

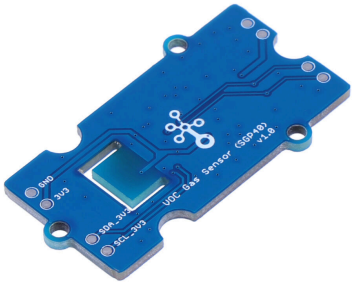
04 **Compact and modular design**

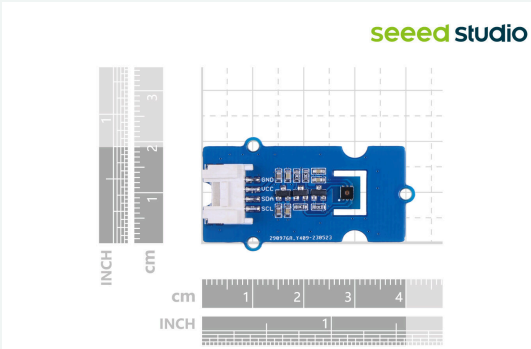
The sensor has a compact and modular design, making it perfect for embedding in various applications.

# Product Gallery






# Applications

- Indoor air quality monitoring system
- Personal environment monitoring device
- HVAC systems
- Industrial safety

# Resource Links

- https://www.seeedstudio.com/Grove-Air-Quality-Sensor-SGP40-p-5700.html

**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