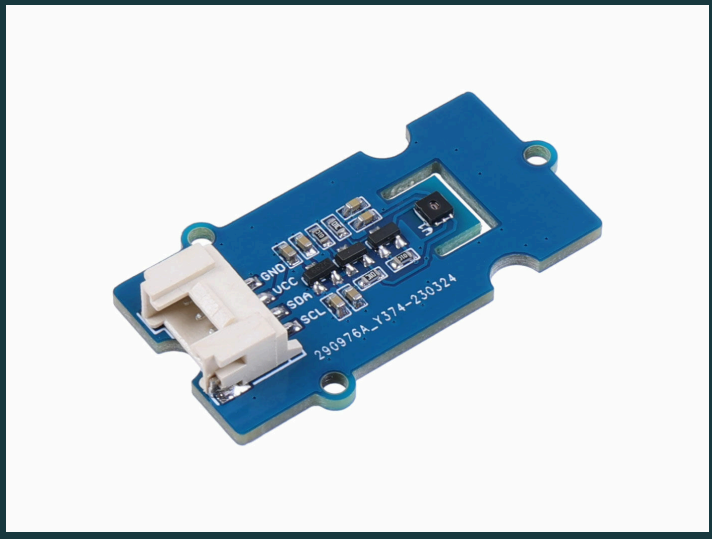
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INDUSTRIAL PRODUCT DATASHEET

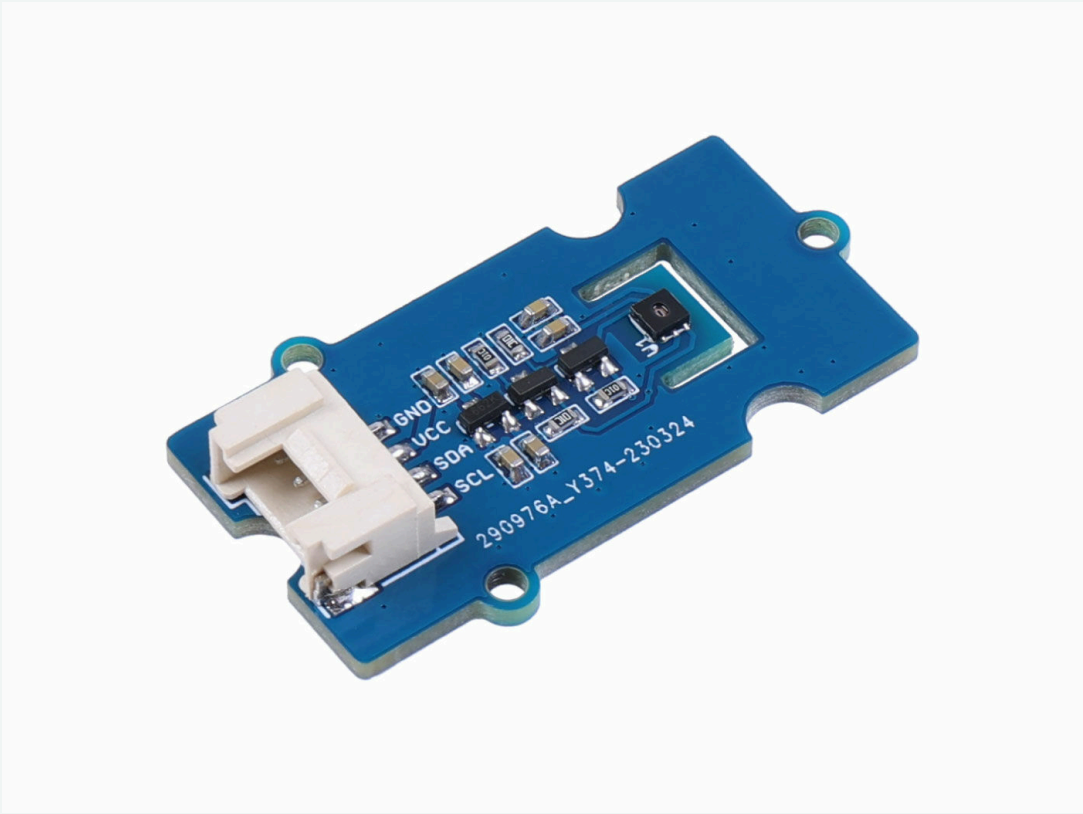
Grove -Smart Air Quality Sensor-SGP41,MOX gas sensor for VOCs & NOx, Air Purifier, Smart Ventilation

This is a digital gas sensor that uses Sensirion's SGP41 with advanced CMOSens technology to measure VOCs and NOx in indoor air.

SKU	UPDATED	PRICE
101021092	2026-11-11 08:57:29	$10.90(Excl. VAT)



Overview



This is a digital gas sensor that uses Sensirion's SGP41 with advanced CMOSens technology to measure VOCs and NOx in indoor air. It is highly stable and durable, making it suitable for continuous monitoring over extended periods. Its compact size and flexible power supply options make it easy to use in various applications such as air purifiers and demand-controlled ventilation systems.

Key Features

01 **Digital Gas Sensor**

Measure the concentration of VOCs and NOx in indoor air, providing accurate and reliable readings.

02 **CMOSens® Technology**

Ensures user-friendliness and ease of use by integrating a complete sensor system on a single chip.

03 **Long-term Stability**

It boasts exceptional long-term stability and durability, making it suitable for continuous monitoring of indoor air quality over extended periods.

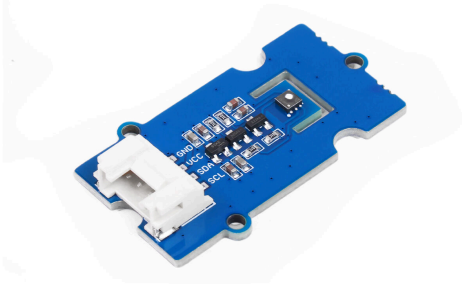
04 **Compact and Flexible**

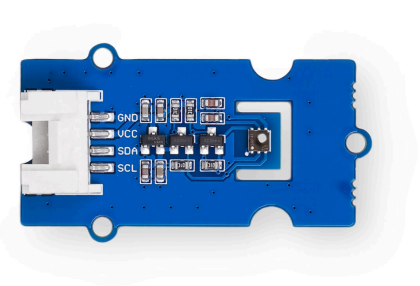
It has a 4-pin Grove interface for easy microcontroller connection and supports both 3.3V and 5V power supply, making it versatile for various applications.

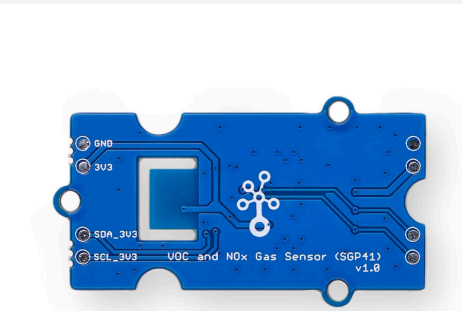
05 **Reliable and Reproducible**

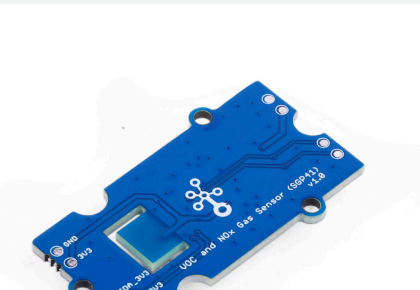
Sensirion's state-of-the-art production process guarantees high reproducibility and reliability of the SGP41 module.

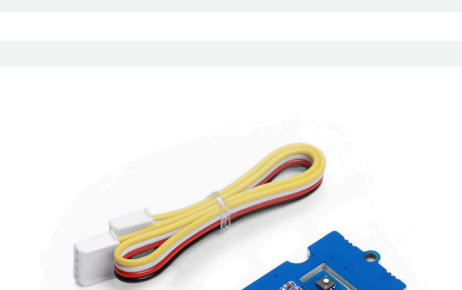
Product Gallery













Applications

- **Indoor air quality monitoring**
- **Air purifiers**
- **Demand-controlled ventilation systems**
- **Smart homes**
- **Industrial applications**
- **Environmental monitoring**

Resource Links

- https://www.seeedstudio.com/Grove-Air-Quality-Sensor-SGP41-p-5687.html
- Datasheet SGP41
- Sensirion's NOx Index
- Sensirion's VOC Index
- What are oxidizing gases
- Community Innovations: A Showcase of Sensirion-Based Grove Projects

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