



GROVE - VOC AND ECO2 GAS SENSOR (SGP30)

SKU 101020512

Description

The Grove-VOC and eCO₂ Gas Sensor-SGP30 is an air quality detection sensor. This grove module is based on SGP30, we provide TVOC(Total Volatile Organic Compounds) and CO₂eq output for this module.

The SGP30 is a digital multi-pixel gas sensor designed for easy integration into air purifier, demand-controlled ventilation, and IoT applications. Sensirion's CMOSens® technology offers a complete sensor system on a single chip featuring a digital I2C interface, a temperature controlled micro hotplate, and two preprocessed indoor air quality signals. As the first metal-oxide gas sensor featuring multiple sensing elements on one chip, the SGP30 provides more detailed information about the air quality.

Features

- Multi-pixel gas sensor for indoor air quality applications
- Outstanding long-term stability
- I2C interface with TVOC and CO₂eq output signals
- Low power consumption
- Chip module tape and reel packaged, reflow solderable

Technical Details

Weight	G.W 9g
Battery	Exclude
Working Voltage	3.3V/5V
Output range	TVOC-0 ppb to 60000ppb / CO ₂ eq - 400 ppm to 60000 ppm
Sampling rate	1HZ
IIC address	0X58

Part List

Grove - VOC and eCO ₂ Gas Sensor (SGP30)	1
Grove cable	1

