

INDUSTRIAL PRODUCT DATASHEET

Grove - HCHO Sensor - formaldehyde Detection

High-sensitivity Grove - HCHO Sensor for formaldehyde and organic gas detection with plug-and-play interface, ideal for air quality and safety monitoring.

SKU

101020001

UPDATED

2026-08-10 06:00:58

PRICE

\$16.40(Excl. VAT)



Overview

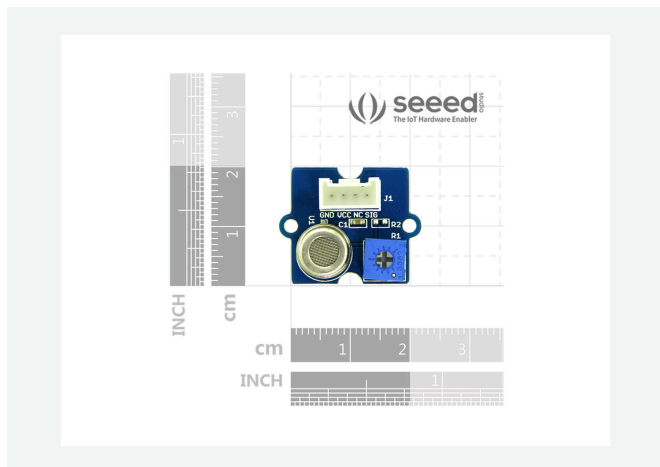
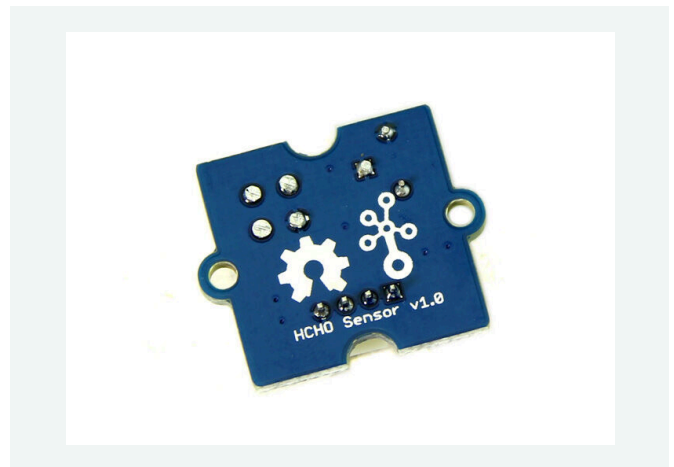


The Grove - HCHO Sensor offers high sensitivity up to 1ppm for organic gases such as toluene, benzene, and methanal, with quick response, good stability, and a simple detection circuit where conductivity increases with gas concentration. Its Grove compatible interface ensures plug-and-play use in applications including indoor air quality detection, air purifiers, fresh air systems, portable formaldehyde detectors, home automation, and industrial safety monitoring.

Key Features

- **Up to 1ppm high sensibility:** High sensitivity to organic gases such as toluene, benzene, methanal
- **Quick response and resume:** Real-time detection of gas values
- **Good stability and long life:** The sensor value fluctuates little
- **Simple detection circuit:** The higher the concentration of gas is, the higher conductivity of sensor gets
- **Grove compatible interface:** The product ensures "Plug and Play" and could be versatile for various applications of Grove

Product Gallery



Specification

Operating Voltage	5.0V $\pm$ 0.3V
Chip	WSP2110
Detection Gas	toluene, methanal, benzene, alcohol, acetone &etc.
Detection range	1~50ppm
Sensor Resistance Value(Rs)	10K Ω -100K Ω (in 10ppm HCHO)
Sensitivity	Rs(in air)/Rs(10ppm HCHO) $\geq$ 5

Grove - HCHO Sensor	1
Grove - cable	1

Applications

- Indoor Air Quality Detection
- Air Purifier
- Fresh Air System
- Portable Formaldehyde Detector
- Home Automation
- Industrial Safety Monitoring

Part List

Grove - HCHO Sensor	1
Grove - cable	1

Compliance & Logistics



HSCODE	9027900000
USHSCODE	9027908800
UPC	841454108252
EUHSCODE	9027109000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Grove-HCHO-Sensor.html>
- [Grove - HCHO Sensor Eagle File](#)
- [Grove - HCHO Sensor Schematic in PDF](#)
- [WSP2110 Datasheet \(Chinese\)](#)
- [WSP2110 Datasheet \(English\)](#)

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