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INDUSTRIAL PRODUCT DATASHEET

Grove - CO2 Sensor(MH-Z16)-Carbon Dioxide Detection

Grove - CO2 Sensor (MH-Z16) for non-contact NDIR carbon dioxide detection with a 0-2000 PPM measurement range and Grove unified socket.

SKU	UPDATED	PRICE
101020067	2026-08-29 01:04:42	$97.90(Excl. VAT)

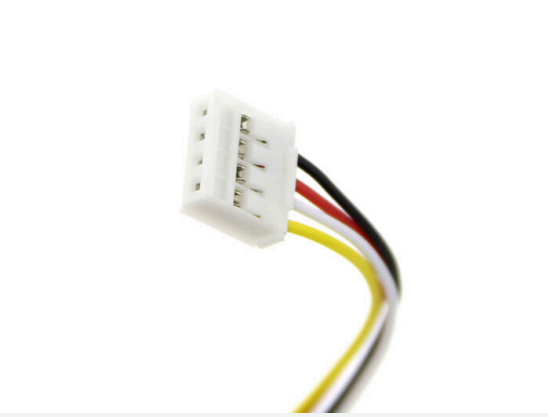
Overview

The Grove - CO2 Sensor (MH-Z16) provides non-contact carbon dioxide measurement using non-dispersive infrared (NDIR) principles. It offers a CO2 measuring range of 0-2000 parts per million (PPM) with a measurement accuracy error of only 200 PPM and features a Grove unified socket for Plug and Play versatility.

Key Features

- **Non-contact CO2 measurement:** Infrared CO2 collection uses non-dispersive infrared (NDIR) Present in the principle
- **Wide range of CO2 measurements:** CO2 measuring the range of 0-2000 parts per million (PPM)
- **Accurate CO2 measurement:** The measurement accuracy error was only 200 PPM
- **Grove unified socket:** The sensor ensures "Plug and Play" and could be versatile for various applications

Product Gallery



Specification

Dimensions	100mm x150mm x20mm
Weight	G.W 26g
Battery	Exclude
Measuring Range	0-2000 parts per million (PPM)
Resolution	1 PPM 0-2000 parts per million (PPM)
Accuracy	200 PPM
Warm up time	3 minutes
Response Time	<90s
Operating Temperature	0 to 50℃
Operating Humidity	0% ~ 90% RH
Storage Temperature	- 20 - 60℃
Operating Voltage	4.5 V to 6 V DC
Maximum Current	100 mA
Average Current	≤50 ma
Output Mode	UART

Part List

Grove - CO2 Sensor	1
Grove Cable	1

Compliance & Logistics

HSCODE	9027100090
USHSCODE	9027106000
UPC	841454108559
EUHSCODE	9027109000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Grove-Carbon-Dioxide-Sensor-MH-Z16.html
- MH-Z16_CO2 datasheet_ZH_CN.pdf
- MH-Z16_CO2 datasheet_EN.pdf
- Health Risk Evaluation for Carbon Dioxide

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