Threshold Carbon Monoxide Detection Sensor (0-1000ppm)

$20.90 SKU: SEN0596

1 Volume Discount

Purchase this product and earn 209 reward points, which are tied to VIP membership program. Learn More >

Formaldehyde (HCHO)
$20.90

Carbon Monoxide (CO)
$20.90

Don't Miss Top Accessories

Indoor ENS160 Air Quality Sensor - I2C
$29.90
1
Details

Air Quality Monitor (PM 2.5, Temperature &
1
Details

Gravity: UART Infrared Carbon Dioxide / CO2 Sensor (0-50000 ppm)
$89.00
1
Details

Gravity: Analog Electrochemical Carbon Dioxide / CO2 Sensor (0-10000 ppm)
$48.90
1
Details

Threshold Carbon Monoxide Detection Sens... $20.90 Add to Cart Shop Now

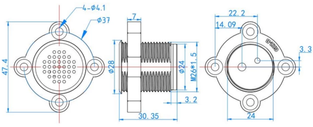
Introduction

This carbon monoxide gas sensor differs from most gas sensors on the market as it does not provide specific gas concentration data. Instead, it detects whether the surrounding environment exceeds or falls below a fixed threshold. It operates on a wide voltage range of 5-24V, with high and low-level outputs.

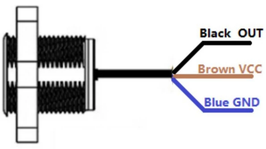
The sensor is equipped with an indicator light for easy observation of its status, making it user-friendly. When the sensor detects a gas concentration above the threshold, it outputs a high-level signal and the indicator light illuminates. Conversely, when the concentration falls below the threshold, it outputs a low-level signal and the indicator light turns off.

Note: The threshold of this sensor is factory-fixed and cannot be modified by the user. Custom threshold parameters can be set for bulk orders.

If you need to measure Carbon Monoxide concentration accurately, we recommend the Fermion: MEMS Carbon Monoxide CO Gas Detection Sensor.



Dimension Diagram of Carbon Monoxide Detection Sensor



Connection Port Diagram of Carbon Monoxide Detection Sensor

Features

- Threshold-based detection
- Wide voltage range, 5-24V
- High and low-level outputs
- Indicator light for status observation
- User-friendly design

Applications

- Indoor air quality monitoring
- Safety and occupational health
- Environmental monitoring
- Smart home systems
- Research and development

Specification

- Power Supply Voltage: 5-24V
- High level output range: 5-24V (Output high voltage = supply voltage)
- Load Current: < 100mA
- Static Current: < 10mA
- Detectable Gas: Carbon Monoxide (CO)
- Repeatability: < 2% of the output value
- Threshold: 20ppm (Factory-fixed threshold, cannot be modified by the user)
- Maximum Load: 1000ppm
- Response Time: < 15s
- Zero-Point Output: ±2ppm
- Output Mode: High-level and low-level signals
- Line sequence: Black line -OUT, Brown line -VCC, Blue line -GND
- Pressure Range: 1±0.1 standard atmospheric pressure
- Lifespan: 8 years (in air)
- Storage Environment: 10°C ~ 30°C
- Operating Temperature Range: -10°C ~ 50°C
- Operating Humidity Range: 15% ~ 90% RH
- Dimensions: L*W*H=30.35*47.4*47.4mm
- Cable Length: 50cm
- Housing Material: Black PCV0 flame-retardant material

Shipping List

- Carbon Monoxide Detection Sensor x1

More Arduino Related Projects Arduino Tutorials

Copyright © 2025 DFRobot. All rights reserved.