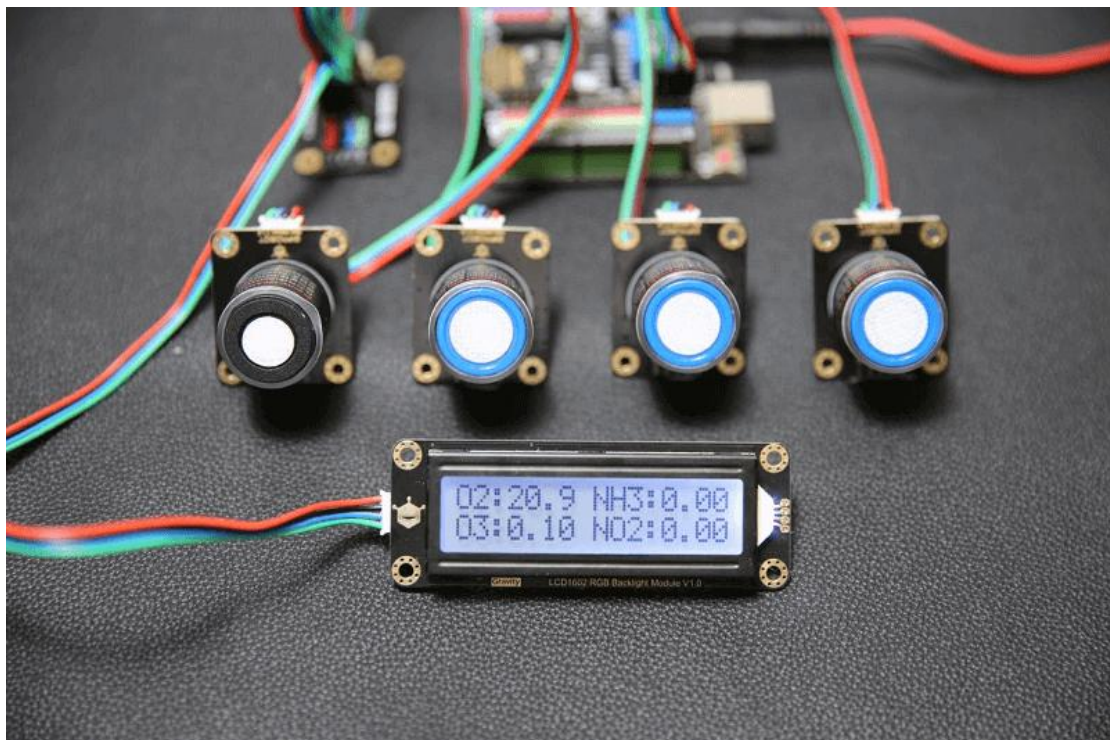## Introduction

This is a sensor that detects carbon monoxide and supports three output modes: analog, I2C, and UART. **The probe has been calibrated at the factory, which can quickly and accurately measure the concentration of carbon monoxide in the environment.** Can be widely applied to fields like portable devices, air quality monitoring devices, industries, mines, warehouses, and other spaces where the air is not easy to circulate.

The probe adopts the electrochemical principle, has the characteristics of strong anti-interference ability, high stability, high sensitivity, etc., and the service life is as long as two years. The sensor has 32 modifiable I2C addresses, an integrated temperature compensation algorithm, and a threshold alarm function, It has good compatibility with mainstream main control devices such as Arduino, ESP32, and Raspberry Pi. The easy-to-use Gravity interface, coupled with our sample code, can quickly build a carbon monoxide detector.

DFRobot has introduced 12 gas detection sensors in this series, CO, O2, NH3, H2S, NO2, HCL, H2, PH3, SO2, O3, CL2, HF, which are used in exactly the same way and data format, so you can combine them according to your needs.

Features

    Strong anti-interference ability

High stability

High sensitivity

Applications

Petrochemical carbon monoxide detection

Metallurgy carbon monoxide detection

Mining carbon monoxide detection

Environmental protection

Specification

Detection Gas: Carbon Monoxide (CO)

Detection range: 0-1000ppm

Working Voltage: 3.3 ~ 5.5V DC

Working Current: ＜5mA

Output Signal: I2C, UART (0~3V), analog voltage

Working Temperature: -20 ~ 50℃

Working Humidity: 15 ~ 90%RH (non-condensing)

Storage Temperature: -20 ~ 50℃

Storage Humidity: 15 ~ 90%RH (non-condensing)

Lifespan: >2 years (in the air)

Adapter Plate Size: 37*32mm

Compatibility: Arduino, ESP32, Raspberry pi

Documents

[Product wiki](#)

Shipping List

Gravity: CO Signal Conversion Board x1

CO sensor probe x1

Gravity - 4pin Cable x1