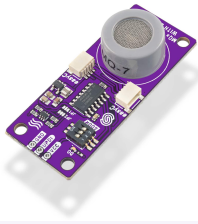


PRODUCT DATASHEET



CO Sensor MQ7 Breakout with Qwiic

333121

The CO Sensor MQ7 Breakout with Qwiic detects carbon monoxide levels for safety monitoring and alerts, featuring easy integration and mounting.

Full product documentation, files and tutorials: solde.red/333121

CORE ATTRIBUTES

SKU 333121

WEIGHT 11 g

BARCODE 732388666300

DESCRIPTION

The sensitivity and selectivity of the MQ7 sensor enable it to effectively detect and measure carbon monoxide levels, making it a crucial tool for applications such as gas leakage detection, security systems, and environmental monitoring. By integrating the MQ7 sensor with appropriate electronic circuits and microcontrollers like Dasduino, you can create systems that enable real-time monitoring and prompt alerts in the presence of hazardous CO concentrations. It requires a short time to warm up in order to work correctly.

The breakout board provides digital and analog information through the Qwiic system. Sensor readings are obtained through Qwiic.

Product usage tips:

When gas is detected, the LED will start glowing. It will remain off if it doesn't detect anything. Four mounting holes enable easy mounting to surfaces. The board comes with three male headers.

TECHNICAL DETAILS

- **Detects:** carbon monoxide (CO)
- **Voltage:** 3V3
- **Output:** digital
- ATTiny404 microcontroller onboard
- qwiic connectors
- **Dimensions:** 54 × 22 mm / 2.1 × 0.9 inch

SPECIFICATIONS

INTERFACE

I2C

QWIIC COMPATIBLE	Yes
I2C ADDRESS DEFAULT	0x30
I2C ADDRESS CHANGEABLE	Yes
BREADBOARD COMPATIBLE	Yes
MEASUREMENT TYPES	Gas
IC PART NUMBER	MQ-7
MCU PART NUMBER	ATTINY404
SUPPLY VOLTAGE MIN V	3.3
SUPPLY VOLTAGE MAX V	3.3
LOGIC LEVEL	3V3 Only

LINKS

Arduino Library	https://github.com/SolderedElectronics/Soldered-MQ-Gas-Sensor-Arduino-Library/tree/main
Open Source Hardware Files	https://github.com/SolderedElectronics/CO-sensor-MQ7-breakout-with-easyC-hardware-design
Full Documentation	https://docs.soldered.com/mq/overview/
Arduino: Get Started	https://docs.soldered.com/mq/arduino/getting-started/
Hardware Details	https://docs.soldered.com/mq/hardware/
Arduino Library Documentation	https://docs.soldered.com/mq/arduino/initialization-qwiic/
mim_package	https://checkmim.com/packages/solderedelectronics+Soldered-MQsensors-MicroPython-Library
MicroPython Module	https://github.com/SolderedElectronics/Soldered-MQsensors-MicroPython-Library

GALLERY

