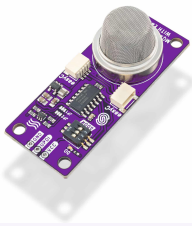


PRODUCT DATASHEET



Ammonia Sensor MQ137 Breakout with Qwiic

333127

The MQ137 Ammonia Sensor detects ammonia levels for gas leakage detection and environmental monitoring, featuring Qwiic connectivity.

Full product documentation, files and tutorials: solde.red/333127

CORE ATTRIBUTES

SKU 333127

WEIGHT 11 g

BARCODE 732388665808

DESCRIPTION

The sensitivity and selectivity of the MQ137 sensor allow it to effectively detect and measure levels of ammonia, making it a valuable tool for applications such as gas leakage detection, agricultural monitoring, and environmental sensing. By integrating the MQ137 sensor with appropriate electronic circuits and microcontrollers like Dasduino, you can create systems that provide real-time monitoring and prompt alerts in the presence of hazardous ammonia concentrations. It requires a short time to heat 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:** ammonia
- **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	MQ137
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/Ammonia-sensor-MQ137-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
Pinout	https://cms.soldered.com/products/333127/media/333127_pinout-png_a84d92.svg

GALLERY

