AIR QUALITY SENSOR MQ135 BREAKOUT

Weight	10 g
Description	a

DESCRIPTION

The MQ135 sensor's versatility allows it to be used for applications such as indoor air quality monitoring, gas leakage detection, and environmental sensing. While its main target gas is carbon dioxide (CO_2), it is also sensitive to a range of other gases including volatile organic compounds (VOCs), alcohol vapors, benzene, smoke, and other harmful gases commonly found in the environment. By integrating the MQ135 sensor with appropriate electronic circuits and microcontrollers like Dasduino, you can create systems that provide real-time monitoring and analysis of gas concentrations, enabling you to take necessary actions for maintaining a healthy and safe environment.

The breakout board works with both digital (DO) and analog signals (AO). The digital output is obtained by setting a threshold value with a potentiometer. The analog output will differ depending on the intensity of the gas.

The MQ135 air quality sensor module operates at 5V and consumes around 150mA. It requires some pre-heating before it could actually give accurate result.

FEATURES

- Operating Voltage: 2.5V to 5.0V
- Power consumption: 150mA
- Detect/Measure: NH3, Nox, CO2, Alcohol, Benzene, Smoke
- Digital Output: 0V to 5V (TTL Logic) @ 5V Vcc
- Analog Output: 0-5V @ 5V Vcc
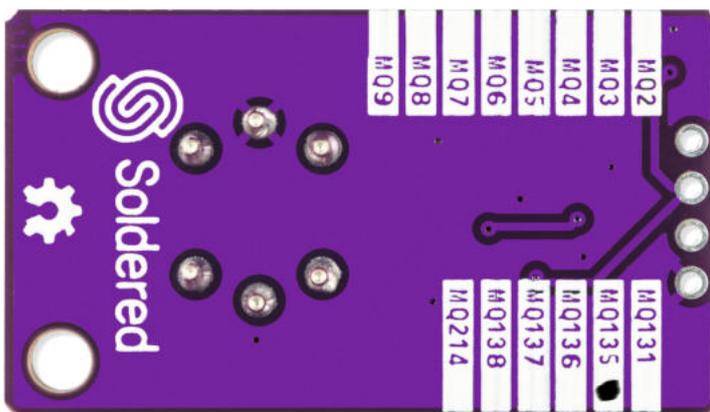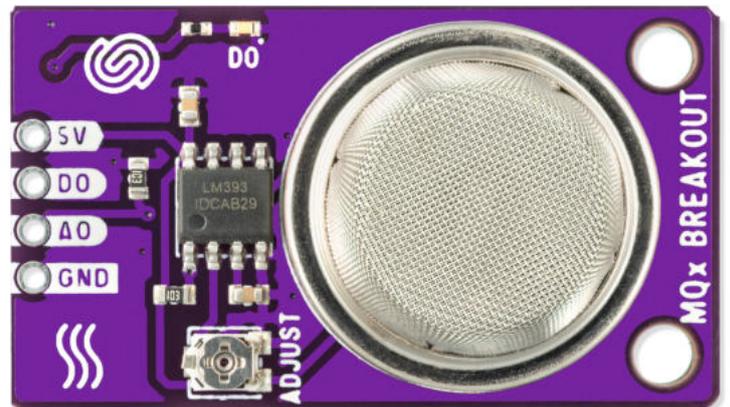- Dimensions: 22 x 38 mm / 0.9 x 1.5 inch

USEFUL LINKS

- Pinout
- Datasheet
- Open-Source Hardware files

TIPS

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

OTHER IMAGES

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