

MQ-5 GAS SENSOR

The Simple MQ-5 Methane LPG Liquid Propane [Gas Sensor](#) Module is a great way to add basic gas sensing to your project at a reasonable price. The MQ-5 Methane LPG Liquid Propane Gas Sensor Module particulate sensor uses a Buzzer to sense any detected material that is even present in the air!

This MQ-5 Methane LPG Liquid Propane Gas Sensor Module is widely used in gas leakage detecting pieces of equipment in family and industry, are suitable for **detecting LPG, natural gas, town gas, avoid the noise of alcohol and cooking fumes and cigarette smoke**

The MQ5 (MQ-5) is used in gas leakage detecting equipment in consumer and industry applications, this sensor is suitable for detecting LPG, natural gas, coal gas. Avoid the noise of alcohol, cooking fumes, and cigarette smoke. The sensitivity can be adjusted by the potentiometer.

The sensitive material of the MQ-5 gas sensor is tin Oxide (SnO_2), which with lower conductivity in clean air. When the target combustible gas exists, The sensor's conductivity is higher along with the gas concentration rising. Please use a simple electro circuit, Convert the change of conductivity to the corresponding output signal of gas concentration.

MQ-5 gas sensor has a high sensitivity to Methane, Propane, and Butane, and could be used to detect both Methane and Propane. The sensor could be used to detect different combustible gas especially Methane, it is with low cost and suitable for different application

Connections

VCC ↔ 2.5V~5.0V

GND ↔ ground

Aout ↔ [MCU.IO](#) (analog output)

Dout ↔ [MCU.IO](#) (digital output)

Features:

1. High sensitivity to LPG, natural gas, town gas.
2. Small sensitivity to alcohol, smoke.
3. Stable and long life.
4. Simple drive circuit.
5. Fast response.

MQ5 Pinout

