



Description:

MQ-9 gas sensor using gas-sensitive materials with lower conductivity in clean air tin oxide (SnO₂). High and low temperature cryogenic loop detection mode (1.5V heating) to detect carbon monoxide sensor conductivity increases with the increase in the concentration of carbon monoxide gas in the air, high temperature (5.0V heating) detection of combustible gases methane, propane and cryogenic cleaning adsorption of stray gas.

Changes in the conductivity can be converted to an output signal corresponding to the concentration of the gas using a simple circuit. MQ-9 high sensitivity to carbon monoxide, methane, liquefied gas sensor, this sensor can detect a variety of carbon monoxide and the flammable gas is a suitable for a variety of applications.

Features:

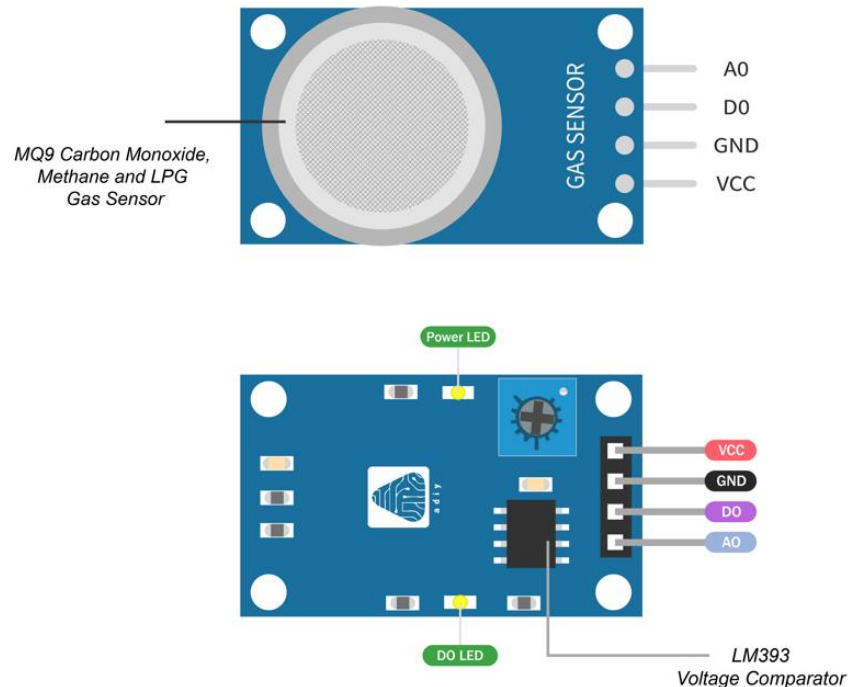
- Suitable for home or factory gas leakage monitoring devices.
- Have better sensitivity to Carbon Monoxide, Methane and LPG Gas.
- High quality dual-panel design, with power indicator and TTL signal output instructions.
- DO switching signal (TTL) output and AO analog signal output.
- TTL output valid signal is low. (When the output low signal is on, it can be directly connected micro-controller or relay module.)
- Analog output voltage: the higher concentration, the higher voltage.

- Four screw holes, easy positioning.
- Long life and stability, quick response and resume.

Specifications:

- Operating Voltage is: +5V.
- Can be used to Measure or detect LPG, Propane, CO, and Methane.
- Analog output voltage: 0V to 5V.
- Digital Output Voltage: 0V or 5V.
- Long life and Low Cost.
- Heater consumption: $\leq 350\text{mW}$.

Pin Description:



VCC: It is used to connect 5V to the sensor.

GND: It is used to connect GND to the sensor.

DO: Sensor data output in digital form

AO: Sensor data output in analog form

Applications:

- Gas leak monitoring device suitable for home or factory
- Gas monitoring devices, can be tested to carbon monoxide

