Analog Gas Sensor(MQ9) SKU:SEN0134

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Introduction

MQ-9 gas sensor has high sensity to Carbon Monoxide, Methane and LPG. The sensor can be used to detect different gases containing CO and combustible gases, it is low cost and suitable for different applications.

Sensitive material of MQ-9 gas sensor is SnO2, which has a lower conductivity in clean air. It makes detection by cycling high and low temperature, and detects CO when low temperature (heated by 1.5V). The sensor's conductivity is higher along with the gas concentration rising. When high temperature (heated by 5.0V), it detects Methane, Propane etc combustible gas and cleans the other gases adsorbed under low temperature.
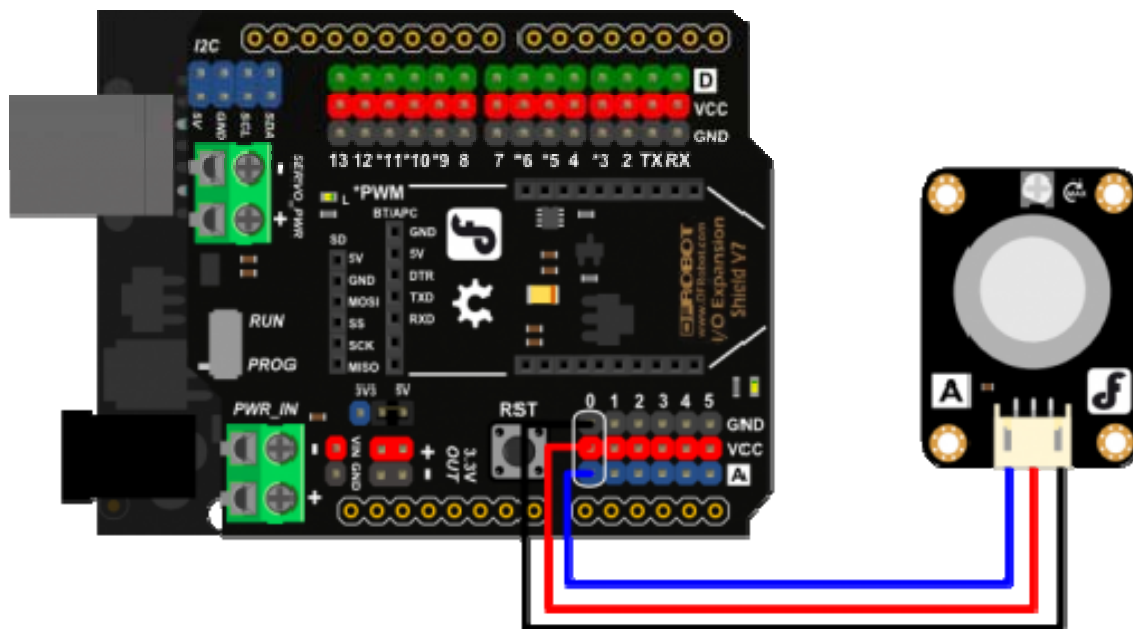
Application

- Domestic gas leakage detector
- Industrial gas detector
- Portable gas detector

Specification

- Power supply needs: 5V
- Interface type: Analog
- Sensor Type: Semiconductor
- Concentration:
  - 10-1000ppm CO
  - 100-10000ppm combustible gas
- Good sensitivity to CO/Combustible gas
- High sensitivity to Methane, Propane and CO
- Long life and low cost
- Size: 36.4x26.6mm

Connecting Diagram

Sample Code

```
///Arduino Sample Code
void setup()
{
   Serial.begin(9600); //Set serial baud rate to 9600 bps
}
void loop()
{
int val;
val=analogRead(0);//Read Gas value from analog 0
Serial.println(val,DEC);//Print the value to serial port
delay(100);

}
```