

Smoke and Combustible Gas Sensor Module

Model: Arduino MQ-2



Features:

- Wide detection range
- High sensitivity
- Fast response and recovery
- excellent stability and long life
- Simple drive circuit

Specifications:

For gas	Combustible gases, fumes
Detection range	300 to 10000ppm
Characteristic gas	1000ppm isobutene
Sensitivity	$R \text{ in air} / R \text{ in typical gas} \geq 5$
Sensing Resistance	1K Ω to 20K Ω in 50ppm toluene
Response Time	$\leq 10s$
Recovery time	$\leq 30s$
Heating resistor	$31\Omega \pm 3\Omega$
Heating current	$\leq 180mA$
Heating voltage	$5.0V \pm 0.2V$
Heating power	$\leq 900mW$
Measuring voltage	$\leq 24V$
Working conditions	Ambient temperature: $-20^{\circ}C \sim +55^{\circ}C$ Humidity: $\leq 95\% RH$
	Environmental oxygen content: 21%
Storage conditions	Temperature: $-20^{\circ}C \sim +70^{\circ}C$
	Humidity: $\leq 70\% RH$

- Voltage: 5V
- TTL signal output blue LED
- Dual signal output, analog output TTL level
- TTL output valid signal is low. TTL output sensitivity can be adjusted via potentiometer
- Analog output 0 ~ 3.5V voltage, the higher the concentration the higher the voltage
- Energized about 3-5 minutes to warm up.
- Reverse protection diode ~ (against power reversed)
- Positioning holes with screws
- Board size: 45 * 17 mm