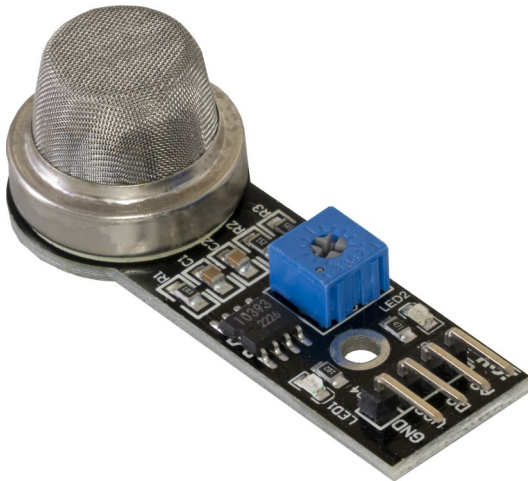


SEN-MQ2

Analog sensor for combustible gas and smoke on module



This analog gas sensor has a small heating part with an electronical chemical sensor. It is suitable for indoor usage. The sensor can output exact values only after warm-up phase.

Caution: sensor gets hot while usage!



MAIN FEATURES

Measurement range	100 - 10'000 ppm
Measurable substances	LPG, <i>i</i> -butan (C4H10), propane (C3H8), methane (CH4), hydrogen(O2), alcohol, smoke
Application areas	Detecting gas leaks, gas alarm, robotic, microcontroller projects
Compatible with	Raspberry Pi (with AD-converter), Arduino. etc.
Special features	High sensitivity which can be adjusted by potentiometer, quick response time, wide detection range
Dimensions	51,5 x 20 x 17mm
Items delivered	SEN-MQ2

FURTHER SPECIFICATIONS

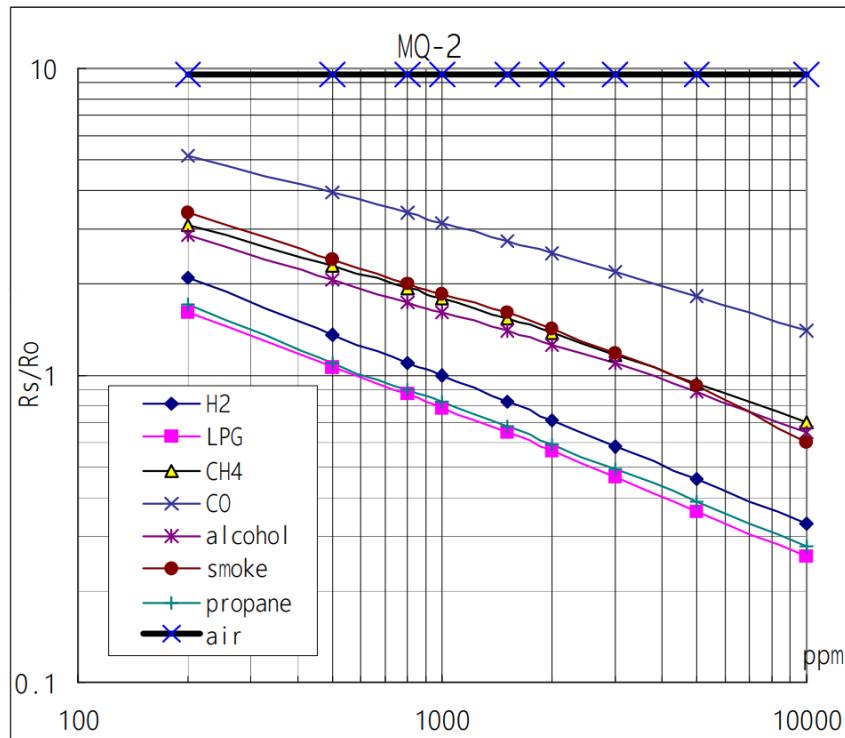
Analog Output	values will be processed by microcontroller
Digital Output	thresholds can be set
Pins:	
VCC	Voltage supply (5 V)
GND	Ground
AOUT	Analog output (0 V - 5 V)
DOUT	Digital output (0 V / 5 V)

FURTHER DETAILS

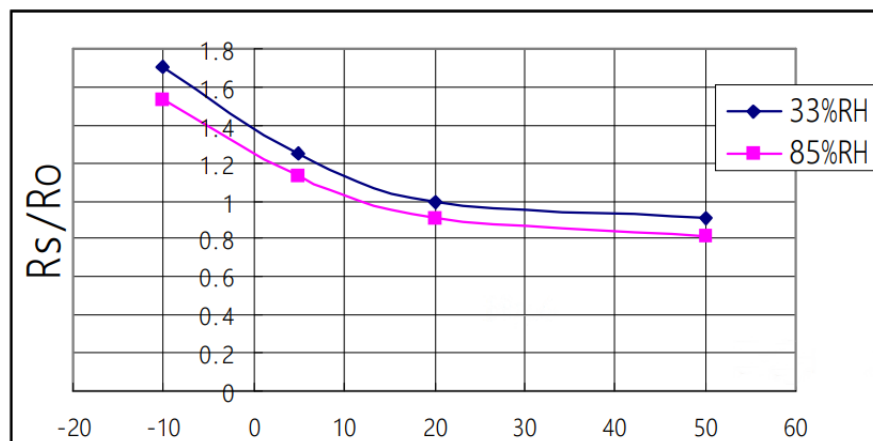
Article No.	SEN-MQ2
EAN:	4250236819938
Customs Tariff No.	90269000

SEN-MQ2

Analog sensor for combustible gas and smoke on module



This shows the typical sensitivity characteristics of the MQ-2. R_s means resistance of the sensor in different gases, R_o means resistance of sensor in 1000ppm H_2 .



Correlation between sensor resistance(R_s) and ambient temperature and humidity

The resistance of the sensor can be calculated with the following formula:

$$R_s = (V_c / V_{RL} - 1) \times R_L$$

V_c = Supply voltage; V_{RL} = Analog pin voltage; R_L = Load resistance (1,5k)