

# SEN-MQ8

## Analog hydrogen gas sensor 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 - 1000 ppm
Measurable substances	Hydrogen (H <sub>2</sub> ), diverse hydrogenous gases
Application areas	Detecting household 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, for a wide range of concentrations
Dimensions	52 x 20 x 18 mm
Items delivered	SEN-MQ8

### 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
DOUT	Digital output
Loop voltage	≤ 24 V DC
Heating voltage	5.0 V ± 0.1 V
Heating resistance	29 Ω ± 3 Ω (room temperat.)
Heating power	≤ 900 mW
Sensitivity	Rs(in air)/Rs(1000ppmH <sub>2</sub> ) ≥ 5
Operation temperature	-10 - 50 °C

### FURTHER DETAILS

Article No.	SEN-MQ8
EAN:	4250236819990
Customs Tariff No.	90269000