

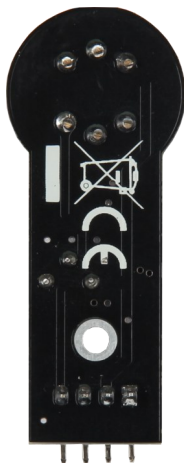
SEN-MQ7

Analog carbon monoxide 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. The heating element must be operated with two different voltages (5 V / 1,4 V).

Caution: sensor gets hot while



MAIN FEATURES

Measurement range	300 - 10'000 ppm
Measurable substances	Carbon monoxide (CO)
Application areas	Detecting household gas leaks, industrial gas alarm, robotic, microcontroller projects
Compatible with	Raspberry Pi (with AD-converter), Arduino. etc.
Special features	High sensitivity, which can be adjusted by potentiometer, low temperature detection
Dimensions	52 x 20 x 13 mm
Items delivered	SEN-MQ7

FURTHER SPECIFICATIONS

Analog Output	values will be processed by microcontroller
Digital Output	thresholds can be set
Preheating times	
Less than 1 month storage	>= 48 hours
For 1-6 months storage	>= 72 hours
For over 6 months storage	>= 168 hours
Heating voltage	$V_{HH} = 5.0 V \pm 0.2 V$ $V_{HL} = 1.4 V \pm 0.2 V$
Heating time	90 sec. \pm 1 sec. (V_{HL}) 60 sec. \pm 1 sec. (V_{HH})
Heating resistance	31 Ω \pm 3 Ω (room temp.)
Heating power	\leq 350 mW
Sensitivity	2-20 K Ω in 100ppm CO
Operation temperature	-20 - 50 $^{\circ}C$

FURTHER DETAILS

Article No.	SEN-MQ7
EAN:	4250236819983
Customs Tariff No.	90269000