MQ-7B Carbon Monoxide Sensor CO sensor detector



Short Description

Produktkode: 602aa **Tilgjengelighet:** 1

Custom Field 5 (Location): X Ring/SMS etter pris: 91166668

MQ-7B Carbon Monoxide Sensor CO sensor detector

Beskrivelse

Se artikkel om gassensorer her

Principle Introduction:

Winsen Electronics is original manufacturer of MQ-7B Carbon Monoxide gas sensor, CO Gas sensor, with 80% market share in gas sensor field.

Sensitive material of MQ-7B gas sensor is SnO2, which with lower conductivity in clean air. It make detection by method of cycle high and low temperature, and detect CO at low temperature(heated by 1.5V). The sensor's conductivity gets higher along with the CO gas concentration rising. At high temperature(heated by 5.0V), it cleans the other gases adsorbed at low temperature. Users can convert the change of conductivity to correspond output signal of gas concentration through a simple circuit.

Applications:

It is widely used in domestic CO gas leakage alarm, industrial CO gas alarm and portable CO gas detector.

Technical parameters:

Model	MQ-7B		
Sensor Type			Semicondu
	ctor		
Standard E	Plastic cap		
Target Gas			carbon
	monoxide		
Detection range			10?500pp
	_	_	m CO
Standard	Loop	Vc	?10V DC
Circuit	Voltage		
Conditions	Heater	VH	5.0V±0.1
	Voltage		V AC or
			DC?High
			tem.? 1.5V
			±0.1V AC
			or
			DC?Low

		•
		tem.?
Heater	TL	60 S±1S?
Time		High
		tem.?? 90
		S±1S?Low
		tem.?
Load	RL	Adjustable
Resistance		
Heater	RH	29?±3??ro
Resistance		om tem.?
Heater con	PH	?900mW
sumption		
Sensitivity	S	Rs(in
		air)/Rs(in
		150ppm
		CO)?5
Output	Vs	2.5V?4.3V
Voltage		(in
		150ppm
		CO)
Concentrat	?	?0.6(R300
ion Slope		ppm/R50p
		pm CO)
Tem. Hum	idity	20?±2??5
	•	5%±5%R
		Н
Standard te	Vc:5.0V±0	
		.1V?
		VH?High
		tem.?? 5.0
		V±0.1V?
	VH ?Low	
	tem.?? 1.5	
		V±0.1V
Preheat tim	Over 48	
		hours
	Load Resistance Heater Resistance Heater con sumption Sensitivity Output Voltage Concentrat ion Slope Tem. Humi	Time Load RL Resistance Heater RH Resistance Heater con PH sumption Sensitivity S Output Vs Voltage Concentrat?