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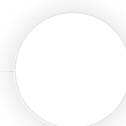
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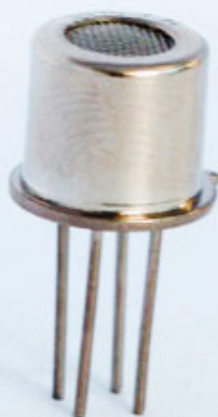
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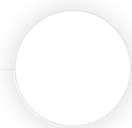


Your Position: Home > Gas Sensor > Combustible Sensor

**Winsen**

## MP-2 Smoke Gas Sensor

- Target Gas:C3H8, smoke
- Detection range200~10000ppm C3H8



- Application: Domestic smoke leakage alarm, industrial smoke gas alarm and portable smoke detector

[We're here to help:](#) Easy ways to get the answers you need.

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## SENSORS

CO2 Gas Sensor

CO Sensor

Air Quality Sensor

Combustible Sensor

Dust Sensor

H2 Sensor

Toxic Gas Sensor

VOC Sensor

Alcohol Sensor

NH3 Gas Sensor

CH2O Gas Sensor

O2 Sensor

O3 Gas Sensor

SO2 Gas Sensor

H2S Sensor

C2H4 Sensor

Ir Thermal Sensor

Humidity Sensor

MEMS Gas Sensor



Gas Flow Sensor

Pressure Sensor

Pressure Transmitter

Water Quality Detection Sensor

Refrigerant Gas Sensor

Principle Introduction



**Principle Introduction:**

MP-2 model with advanced planar construction is comprised of heater and metal oxide semiconductor material of subminiature Al<sub>2</sub>O<sub>3</sub> ceramic plate, fetch out electrode down-lead, encapsulation in metal base and cap. When the target gas exists, the sensor's conductivity is more higher along with the gas concentration rising. Please use simple electrocircuit, convert change of conductivity to correspond output signal of gas concentration.

**Applications :**

Domestic smoke leakage alarm, industrial smoke gas alarm and portable smoke detector.

**Technical parameters :**

Tips:For more parameter information, please refer to the latest manual provided by salesman.



Model			MP-2
Sensor Type			Flat Surfaced Semiconductor
Standard Encapsulation			Metal Cap
Target Gas			C <sub>3</sub> H <sub>8</sub> , smoke
Detection range			200~10000ppm C <sub>3</sub> H <sub>8</sub>
Standard Circuit Conditions	Loop Voltage	V <sub>C</sub>	≤10V DC
	Heater Voltage	V <sub>H</sub>	5V±0.1V AC or DC
	Load Resistance	R <sub>L</sub>	Adjustable
Sensor character under standard test conditions	Heater Resistance	R <sub>H</sub>	105Ω±10Ω (room tem.)
	Heater consumption	P <sub>H</sub>	≤240mW
	Sensitivity	S	R <sub>0</sub> (in air)/R <sub>s</sub> ( in 2000ppm C <sub>3</sub> H <sub>8</sub> )≥3
	Output voltage	V <sub>S</sub>	2.5V~4.0V (in 2000ppm C <sub>3</sub> H <sub>8</sub> )
	Concentration Slope	α	≤0.6(R <sub>3000ppm</sub> /R <sub>500ppm</sub> C <sub>3</sub> H <sub>8</sub> )
	Operation Temp.	T <sub>ao</sub>	-10℃~50℃
	Storage Temp.	T <sub>as</sub>	-20℃~70℃
	Relative		

Environment	Humidity	KH	Less than 95%KH
Conditions	O <sub>2</sub> concentration	O <sub>2</sub>	21%±1%(can't less than 18%) O <sub>2</sub> concentration effects sensor's performance.
	Preheat time		Not less than 48 hours

**Reference Circuit :**

Please fill in your procurement needs and contact information

Inquiry\*:

Please enter your inquiry

Email\*:

Please enter your email address...

Country\*:

Please enter your country

Name :

Please enter your name

Company :

Please enter your company

Telephone :

Please enter your tel

**RELATED PRODUCTS**

MQ-4 Methane Gas Sensor/ Nature Gas  
Detection Gas Sensor

MP-4 Nature Gas Sensor/ Combustible



## Gas Sensor

GM-402B MEMS Combustible Gas  
SensorMC105 Catalytic CH4 Sensor/Flammable  
Gas Sensor

## Gas Sensor

CO2 sensor

Combustible Sensor

Dust Sensor

H2 sensor

Alcohol sensor

CH2O gas sensor

O3 gas sensor

H2S sensor

Gas flow sensor

CO sensor

Air Quality(VOC) Sensor

PIR Sensor

Toxic gas sensor

NH3 gas sensor

O2 sensor

SO2 gas sensor

C2H4 sensor

MEMS gas sensor

## Application

Gas Sensor for Refrigerant  
Leakage Detection

Automobile Industry Solution

Livestock -Husbandry Industry  
SolutionAtmospheric Monitoring Industry  
Solution

Chemical Industry Solution

Modern Agriculture Industry



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