



## Introduction

OC-903 is portable combustible gas detector can quickly and accurately measure combustible gas concentration and display by LCD screen. when the combustible gas concentration reaches or exceeds the preset alarm level, the gas detector will alarm.

### Combustible gas detector Feature

Semiconductor technology of ultra low power 32 bit microprocessor, 24 bit ADC acquisition chip, so with the high accuracy.

2.4 inch IPS industrial grade color screen.

Support Chinese or English operation menu.

Detecting data available for PPM, %VOL, mg/m<sup>3</sup>.

For 1~4 gas detecting, single gas and some composite gas.

Internal sampling pump for suction, the suction strength is adjustable in different level.

Explosion proof grade is ExiaⅡCT4.



### Combustible gas detector Function

Inspect the gas concentration and alarm when it reaches preset alarm level.

With auto-test and data recover function.

One-key operation to restore to factory default setting.

Temperature and pressure compensation.

Adjustable two-stage audible-visual alarm threshold value.

Powered by rechargeable lithium battery with big capacity.

Working under the micro negative pressure is available.

Overload protection, over charge protection, anti static interference, anti magnetic interference, etc.



### **Combustible gas detector Applications**

Common applications include chemical industry, petroleum, gas station, metallurgy, agriculture, biology pharmaceuticals, power, lab research and other industry environment where need to inspect combustible or toxic gas concentration.



### **Combustible gas detector Specifications**

<b>Gas type</b>	Combustible gas (Ex)
<b>Working principle</b>	Catalytic combustion sensor
<b>Measure range</b>	0~100%LEL
<b>Resolution</b>	0.1%LEL
<b>Precision</b>	3%FS
<b>Sampling method</b>	Pump-suction, flow rate of 100-1000mL L/min. (Adjustable)

<b>Data storage</b>	About 100000 group of data capacity.		
<b>Response time</b>	≤20S/10S	<b>Recovery time</b>	≤20S
<b>Repeatability</b>	≤±1%	<b>Linearity</b>	≤±1%
<b>Zero drift</b>	≤±1% (F.S/year)	<b>Display</b>	LCD dot matrix display
<b>Operating language</b>	Chinese or English	<b>Concentration unit</b>	ppm or mg/m3
<b>Working temperature</b>	-30℃~60℃	<b>Working humidity</b>	0-95%RH (non-condensing)
<b>Explosion-Proof grade</b>	Exia II CT4	<b>Protection grade</b>	IP65
<b>Alarm mode</b>	Audible, visual, vibration	<b>Working pressure</b>	30Kpa ~ 100Kpa
<b>Dimensions</b>	180*80*60mm	<b>Weight</b>	0.5KG
<b>Accessory</b>	Box, instruction, USB charger, data line, calibration cap.		