



## Introduction

OC-905 is portable ETO gas detector can quickly and accurately measure ETO gas concentration and display by LCD screen. When the ETO gas concentration reaches or exceeds the preset alarm level, the gas detector will alarm.



## OC-905 Ethylene Oxide Gas Detector Feature

Used the original imported sensor, semiconductor technology of ultra low power 32 bit microprocessor, 24 bit ADC acquisition chip, so with the high accuracy.

2.5 inch dot matrix display interface.

All English operation menu and easy operation.

Unit data available for PPM, %VOL, mg/m<sup>3</sup>, LEL, PPB.

The circuit installed the four layers of wire, so well anti-interference.

Explosion proof grade is Exd ib IIC T4 Gb.



## OC-905 Ethylene Oxide Gas Detector Specifications

<b>Gas type</b>	Ethylene oxide (ETO)		
<b>Working principle</b>	Electrochemical、 Infrared、 PID or Thermal conductivity sensor, depend on the using environment.		
<b>Measure range</b>	0-10ppm, 20ppm, 50ppm, 100ppm, 200ppm, 500ppm, 1000ppm, 10000ppm or be customized.		
<b>Resolution</b>	0.01ppm, .0.1ppm, 1ppm		
<b>Precision</b>	≤3%FS		
<b>Sampling method</b>	Pump-suction sampling		
<b>Data storage</b>	About 100000 group of data capacity.		
<b>Response time</b>	T90≤30s	<b>Pre-heating time</b>	≤60S
<b>Repeatability</b>	≤±1%	<b>Display</b>	LCD dot matrix display
<b>Operating language</b>	English	<b>Concentration unit</b>	ppm, mg/m3, %vol, %LEL
<b>Working temperature</b>	-20℃~60℃	<b>Working humidity</b>	10%-95%RH (non-condensing)
<b>Explosion-Proof grade</b>	Exd ib IICT4 Gb	<b>Protection grade</b>	IP66
<b>Alarm mode</b>	Audible, visual	<b>Working pressure</b>	86Kpa ~ 106Kpa
<b>Dimensions</b>	135*65*35mm	<b>Weight</b>	0.5KG
<b>Accessory</b>	Box, instruction, USB charger , data line		
<b>Quality standard</b>	GB15322.1-2003,GB3836.1-2010,GB3836.2-2010,GB3836.4-2010		



### OC-905 Ethylene Oxide Gas Detector Function

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

High accuracy, good stability and good repeatability, long working life.

One-key operation to restore to factory default setting.

Adjustable two-stage audible-visual alarm threshold value.

Powered by rechargeable lithium battery with big capacity.

The built-in pump could be controlled.

## OC-905 Ethylene Oxide Gas Detector Applications

Common applications include chemical industry, petroleum, gas station, metallurgy, oil, municipal, environment protection, agriculture, biology pharmaceuticals, power, lab research and other industry environment where need to inspect ethylene oxide (ETO) gas concentration.

