



## Introduction

### 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.



### **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.



### **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 sulfur hexafluoride (SF6) gas concentration.

## Specifications

<b>Gas type</b>	Sulfur hexafluoride (SF6)		
<b>Working principle</b>	Electrochemical		
<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**

**Portable gas detector**

**Operating Manual**

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