



Introduction

OC-1000 Gas Detector Feature

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

3.5 inch IPS industrial grade color screen.

Support Chinese or English operation menu.

Detecting data available for PPM, %VOL, mg/m³.

For 1~5 gas detecting, gas type all be customized, supporting the PM2.5 particle counter sensor, and humidity sensor, etc.

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

Explosion proof grade is Exia IICT4.



OC-1000 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.



OC-1000 Gas Dtetector Applications

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



OC-1000 Gas Detector Specifications

Gas type	Combustible gas, oxygen, toxic gas
Working principle	Catalytic combustion for combustible gas; Electrochemical for toxic gas and oxygen.
Particle	Optional the PM2.5 laser particle sensor
Measure range	Normal range or be customized.
Resolution	Depended on the gas types

Precision	3%FS		
Data storage	About 100000 group of data capacity.		
Printing	Optional printer function		
Response time	≤20S/10S	Recovery time	≤20S
Repeatability	≤±1%	Linearity	≤±1%
Zero drift	≤±1% (F.S/year)	Display	LCD dot matrix display
Operating language	Chinese or English	Concentration unit	ppm or mg/m3
Working temperature	-40℃~120℃	Working humidity	0-95%RH (non-condensing)
Explosion-Proof grade	Exia II CT4	Protection grade	IP66
Alarm mode	Audible, visual, vibration	Working pressure	30Kpa ~ 100Kpa
Dimensions	220*88*55mm	Weight	0.5KG
Accessory	Particle filter, box, instruction, USB charger, data line, calibration cap.		

Target Gas List

Gas	Detecting Range	Resolution	Sensor Type
O3	0-10PPM	0.01PPM	Electrochemical sensor
CO	0-1000 PPM	1PPM	Electrochemical sensor
NO2	0-20PPM	0.01PPM	Electrochemical sensor
SO2	0-20 PPM	0.01PPM	Electrochemical sensor