



**SKY2000** —  
gas detectors are imported with  
world top imported sensors

# SKY2000

## Pumping Gas Detector

### Product overview

SKY2000 series gas detector is a kind of fast response and high accuracy gas measurement device. With internal sampling pump, fast sampling speed and high flow rate, ensuring the response time of the detector. Unique design, small size and easy to carry with. Special high intensity engineering plastics housing, suitable for different kinds of situation and environment. We dedicate to provide you the most reliable, accurate and the safest solution of gas detection.



## Specialized in Gas Detection For 16 Years

## Product Advantages

### Product advantages

- Employing original imported first-class brand sensor.
- (optional) High speed data transmission by USB, which can download and print data.
- LCD dot matrix display, the gas type, unit, concentration,
- local time can be showed on the screen.
- Support Chinese and English operation, easy to shift.
- The gas concentration unit PPM and mg/m<sup>3</sup> can be shifted quickly.
- Built-in micro sampling pump, 10 grades of suction are available.
- Explosion-proof certification, explosion-proof grade: Ex ia IIC T4 Ga

### Functions

- Monitor the specified gas concentration in environment and enclosed space and alarm.
- With Self-calibration and zero calibration functions, makes the detection more accurate and reliable.
- One press to restore factory setting, free from the bother of mis-operation
- With temperature and pressure compensation, this is able to realize gas concentration compensation under conditions of different temperatures or pressures.
- Two-stage alarm with sound and light, alarm point is settable.
- Rechargeable lithium polymer battery of large capacity.
- Employing pumping sampling method and the pumping suction is adjustable.
- Special engineering plastics housing of high intensity, anti-skipping,
- water-proof, dust-proof, explosion-proof.
- Elegant and exquisite aluminum alloy suitcase



SKY2000  
Pumping Gas Detector

# Application



▲ Petrochemical & Chemical Industry



▲ Municipal Engineering & Utilities



▲ Agricultural & Environmental Protection



▲ Electronic



▲ Food & Pharmaceutical Industry



▲ Other Industries

# Accessories & Configuration List

## Standard Accessories

- SKY2000
- Aluminum suitcase
- A charging adapter
- Instruction
- Qualification certificate



# Technical Specification

## Safegas\*SKY2000

Gas Detected	R134a
Detection principle	Infrared Ray
Sampling Method	Pumping suction, flow rate can up to 1L/min, ten grades of pumping suction for selection.
Measure Range	0-1000,0-2000PPM
Resolution	1PPM
Precision	2%F.S.
Signal Output (optional function)	High-speed data transmission by USB, available for data downloading and printing
Response Time	≤ 10S
Repeatability	≤ ± 1%
Zero shift	≤ ± 1% ( F.S./year )
Operating language	Chinese/English
Temperature	-20℃ ~ 50℃
Explosion-Proof	Exia II CT4
Alarm mode	Sound, light, vibration
Dimensions	205*75*32mm
Recovery Time	≤ 10S
Linearity error	≤ ± 1%
Display	LCD dot matrix display
Gas unit	Units are switchable
Humidity	0-90%RH
Degree of protection	IP66
Operating time	100h ( pump off )
Weight	300g

## Normal gas types and paramaters ( Other gases are not listed can be customized )

Detected gas	measure range	Optional ranges	Resolution	Response time
Flammable gas ( EX )	0-100%LEL	0-100%VOL	0.1%LEL/0.1%VOL	≤ 10S
Oxygen ( O2 )	0-30%VOL	0-25%VOL	0.01%VOL/0.1%VOL	≤ 10S
Carbon monoxide ( CO )	0-1000ppm	0-2000ppm	0.1ppm/1ppm	≤ 10S
Hydrogen sulfide ( H2S )	0-100ppm	0-1000ppm	0.01ppm/0.1ppm	≤ 10S
Ammonia ( NH3 )	0-100ppm	0-200ppm	0.01ppm/0.1ppm	≤ 10S
Chlorine ( CL2 )	0-10ppm	0-100ppm	0.01ppm/0.1ppm	≤ 10S
Hydrogen Chloride ( HCL )	0-20ppm	0-100ppm	0.01ppm/0.1ppm	≤ 10S
Nitric oxide ( NO )	0-100ppm	0-250ppm	0.01ppm/0.1ppm	≤ 10S
Nitrogen dioxide ( NO2 )	0-20ppm	0-100ppm	0.01ppm/0.1ppm	≤ 10S
formaldehyde ( CH2O )	0-10ppm	0-50ppm	0.01ppm/0.1ppm	≤ 10S
Ozone ( O3 )	0-10ppm	0-100ppm	0.01ppm/0.1ppm	≤ 10S
Carbon dioxide ( CO2 )	0-2000ppm	0-100%VOL	1ppm/0.01%VOL	≤ 10S

# Project Cases



◀ SKY2000  
Used in Large oil refinery  
and metallurgical plant,etc

▼ SKY2000  
Applied in Repair shops,  
mines, sewers,etc



▶ SKY2000  
Used in laboratory,  
pharmaceutical factory,etc

▼ SKY2000  
Applied in warehouse,workshops,etc



## More Application

- Furniture, Floor, Wallpaper, Coating, Gardening, Interior Decoration and Renovation, Dyestuff, Papermaking, Pharmacy, Health Care, Foodstuff, Antiseptic.
- Disinfection, Chemical Fertilizer, Resin, Adhesive, Pesticide, Raw Material, Sample, Technological Process, Livestock Farm, Refuse Processing Plant, Perm Place.
- Bio-pharmaceutical Plant, Green Household, Livestock Breeding, Green House Cultivating, Warehouse Logistics, Brewing And Fermentation, Agricultural Production.