



SAFEGAS

Specialized in Gas Detection for 16 Years



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.

More Accurate, More Rapid, More Reliable

www.isafegas.com

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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/m3 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



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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

A charging adapter

SKY2000
Pumping Gas Detector

Instruction

Aluminum suitcase



Technical Specification

Safegas*SKY2000

Gas Detected	O2, N2, CO2, EX, hazardous gas, VOC, etc.
Detection principle	Electrochemistry, infrared ray, catalytic combustion, PID photo ionization (according to the target gas and sensor).
Sampling Method	Pumping suction, flow rate can up to 1L/min, ten grades of pumping suction for selection.
Measure Range	The range is optional, according to the target gas and the sensor.
Resolution	According to sensor and measure range
Precision	According to sensor.
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	Exib 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	0-95%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