NH3 CH4 CO2 Cl2 O2 SO2 H2S CO2 CO

SKY3000
Portable gas detector

SKY3000 series is a high-performance portable gas detector that can detect multiple gases（1-5 gas types). It has humanized operation functions such as one-key security detection, one-key storage, automatic image flipping, as well as the man down alarm function; With optional Bluetooth transmission function, allowing safety personnel to obtain real-time data and the alarm status. It has obtained international IECEX, ATEX explosion-proof certification and Chinese explosion-proof certification; As it passed the antistatic test, and the protection level reaches IP67; With safer product design and the module design which makes the detection faster, and the compact ergonomic design makes the device easy carrying;The explosion-proof Grade of the SKY3000 series is Ex ia IIC T4 Ga, which is applicable to the explosive gas mixture zone 0, zone 1, and zone 2 of the factory with grades ⅡA , ⅡB , and ⅡC and temperature group T1~T4.

SKY3000 ——
Portable gas detector

Product Advantage

Rugged and durable

- The instrument can effectively resist a three-meter drop
- The protection level of the instrument reaches IP67
- The instrument has passed the EMC anti-static interference test and can work normally in the walkie-talkie environment

Explosion-proof circuit design, safe and reliable

- The instrument has got IECEX, ATEX, Chinese explosion-proof certificates and the explosion-proof level reaches Exia IICT4 Ga

Multiple security protection

- The man down alarm function has upgraded the safety of underground operators
- Password protection function prevents non-operators from modifying menu parameters
- With safety reminder function, sound and light vibration alarm function, let operators work without worries
- The high and low alarm latched function allows the operator to better capture the sudden change of the gas concentration value

Simultaneous measurement of multiple gases, multiple numerical display

- The instrument can detect 1-5 gases at the same time
- Real-time value, TWA, STEL, MAX, MIN multiple numerical display

SHENZHEN YUANTE TECHNOLOGY CO.,LTD
Add: 4F, BLDG B, GAOCHUANGDE INDUSTRIAL PARK, NO.7, SANHE ROAD, DALANG, LONGHUA DISTRICT, SHENZHEN

Tel: 0755-23762934
www.isafegas.com

Large screen display, flexible detection system, multiple filtering devices

● The screen can be automatically turned 180 degrees, which is convenient for viewing in special operating environments

● Built-in powerful sampling pump, fast detection speed

● Can be connected 20m sampling tube externally, which is convenient for long-distance or confined space detection

● With a water trap filter, it can effectively filter water, oil, dust and other impurities. It can also be used in harsh industrial environments such as coal mines and petroleum fields

Powerful function, more user-friendly operation

● Beautiful and friendly user interface, reasonable and easy-to-use interactive mode

● Optional Bluetooth function, data can be transmitted to the mobile phone or PC in real time

● Standard storage function, one-click data export, convenient for users to analyze

● Unique modifiable ID identification function, convenient for users to allocate and manage the instrument

● A full range of automatic detection functions, automatic prompts for voltage, pump failure alarms, etc., more comfortable to use One-key security detection

● one-key open storage, automatic image flip

● Support PPM and mg/m_3 gas unit switch, the concentration value is automatically converted by the system

● Support each channel sensor to restore the factory setting separately

● Support multi-language including English.Chinese and etc.

Product specifications

Sampling method	pump suction
Gas type	To be specified
Principle	To be specified
Measure range	To be specified
Resolution	To be specified
Response time	≤30 seconds
Precsiion	≤±2%F.S except for special gases
Language	Chinese/English (More language can be customized)
Automatically test and calibrate after power-on	Including reset, maximum value (MAX), minimum value (MIN), STEL, TWA value
Unit	PPM and mg/m_3 can be switched and displayed by one key, and the concentration value is automatically converted by the system
Disaply	monochrome graphics (160 x96) ,screen can be automatically flipped
Backlight	The backlight time can be manually set, and will be turned on automatically when an alarm is issued
Data record	Can store 100,000 sets data, the storage interval is adjustable from 5 to 3600 seconds, data can be exported, with data cable
Alarm	95dB buzzer (@30cm), vibration alarm and flashing red LED and alarm status indication on the screen, alarm latched; diagnostic alarm and battery undervoltage alarm, pump block alarm; man down alarm, with early warning and optional real-time remote Bluetooth notification function

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Battery	3.7V rechargeable lithium battery, battery capacity 2200mA
Working hours	More than 15 hours in continuous pumping mode
Charger	Travel charger with DC interface, charging time ≥ 4 hours
Explosion-proof grade	IECEx: Ex ia IIC T4 Ga ATEX: ⟨Ex⟩ II 1G Ex ia IIC T4 Ga
Certification (EU regulations)	2004/34/UE (ATEX)
Protection grade	IP67
Working temperature	-20℃~+50℃
Humidity	0~90%RH (no condensation)
Environmental pressure	86~106Kpa
Size	157*84.5*59.5mm (including back clip/water trap filter) (length * width * height)
Weight	365g (including battery, belt clip and filter)

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

Product configuration

Standard accessories：

- Gas detector 1 piece
- 12V/1A DC power adapter 1 piece
- USB cable 1 piece
- User manual 1 piece
- warranty card 1 piece
- Filter 1 piece
- Aluminum suitcase 1 piece

Application

▲ Petrochemical & Chemical Industry

▲ Municipal Engineering & Utilities

▲ Agricultural & Environmental Protection

▲ Electronic

▲ Food & Pharmaceutical Industry

▲ Other Industries

Project Cases

◄ SKY3000
used in coal mines

▼ SKY3000
used in sewers and
underground areas

►

SKY3000
applied in Oil & Gas industries like
Shell or Petros

▼

SKY3000
applied in confined spaces like
warehouse, ships, factories,ect.

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.