



## SKY8000

### Multi Gas Analyzers

#### Product Overview

SKY8000 series gas analyzer is a data collector which can quickly acquire and analyze gas concentration components in scientific research, university and complex working environment.

SKY8000 gas analyzer can detect up to 18 gases simultaneously. It can integrate electrochemistry, catalysis, thermal conductivity, infrared, light ion, ultraviolet and other detection principles, focusing on the accuracy of gas detection and user experience.

**SKY8000**  
Gas Analyzers Can Detect Up  
18 Gases Simultaneously.



## Product Advantages

### Accurate and Reliable

- Using world top brand sensors, the test results are more reliable and can be certified by third party authorities
- Multiple industrial pump gas sampling, ten grades of pumping flow rate for selection.
- Gas detection flow can be customized according to different testing environments. Each module is equipped with multi-layer filtering device, which can filter oil, water, dust and other impurities efficiently.

### Multi-display Mode

- Single curve, multi-curve, data and other gas concentration display mode are switchable
- Various gas concentration units can be shifted freely

### Comprehensive Functions

- Modular internal structure, supporting 1-18 gas detection requirements
- Simple and quick screenshot settings
- Monitor the temperature, humidity, pressure at the same time(Optional)
- Bluetooth, ZIGBEE, WIFI, GPRS and other wireless communication modes are selectable(Optional)
- Analyzer can be equipped with internal printer or external Bluetooth printer, to realize the mobile print function(Optional)
- High temperature, high humidity environment measurement(Optional)



SKY8000  
Multi Gas Analyzers

### Data Logging

- Large capacity quick storage function, storage space can be customized
- An independent SD memory card, historical tested data can be viewed and deleted

### Mobile recharging and long operation time

- High capacity of lithium polymer rechargeable battery, super long service life and standby time
- Mini-USB charging interface design with common data cable and mobile power can be charged anytime, anywhere

### High quality material

- 3.5-inch hd LCD screen with resolution 320\* 480, beautiful and useful menu interface
- Selected aviation wear-resisting material, suitable for various kind of industry environment

# Application



▲ Petrochemical & Chemical Industry



▲ Municipal Engineering & Utilities



▲ Agricultural & Environmental Protection



▲ Electronic



▲ Food & Pharmaceutical Industry



▲ Other Industries

# Accessories & Configuration List

## Standard Accessories

- Instruction
- Qualification certificate
- warranty card
- a Micro-USB cable
- a water,vapour,smoke filter
- an intake sampling rod
- 600mm tube
- Non - toxic, tasteless, explosion-proof, waterproof, heat - resistant, high - temperature resistant, corrosion resistant suitcase ( 1 set )



## Optional Accessories

- Printer (built-in printer or external bluetooth printer)
- Pressure Sensor
- High Temperature Gun

# Technical Specification

## SAFEGAS SKY8000

Size	( H x W x D ) 260*230*120mm	
Weight	3700g	
Battery	Large capacity rechargeable lithium battery,5400mAh/11.1V ( internal printer type ) or 10000mAh/3.7V ( external printer type ) working hours are more than 32h with single gas and 24h with six gases together	
Precision	≤ ± 2%F.S ( Higher precision can be customized )	
Temperature and humidity measurement Temperature :	-20~50℃ , Resolution: 0.1℃; Humidity: 0~99%RH, Resolution: 1%RH	
Pump flow rate	10 grades adjustable, flow range: 0~500 cc/Min.	
Humidity	0~95%RH ( no condensation ) ( optional filter device is available if high humidity )	
Temperature	-40℃~+70℃ , Optional gas sampling gun, can detect up to 1200 degrees gas concentration	
Screen	3.5-inch hd LCD screen with resolution 320* 480	
Degree of protection	IP65	<b>Explosion-proof</b> Ex ic IIC T3 Gc
Pressure measurement	0.5~2.0 bar (optional)	<b>Warranty</b> 12 months

## Ordering Information

Detecting gas	Can detect any of 18 gases, temperature, humidity and pressure at the same time
Sensors	Combustible: catalytic combustion principle or infrared principle; oxygen: electrochemical principle or zirconia principle; toxic: electrochemical principle; CO2: infrared principle; VOC: PID photo ion principle; CH4: catalytic combustion principle or infrared principle; He: thermal conductivity Principle, temperature and humidity sensors, pressure sensors (optional) (other principles of the sensor can be customized)
Measure range	0~1、10、100、1000、5000、50000、100000 PPM; 0~100mg/L、200mg/L; 0~100%LEL; 0~10%、20%、50%、99.999%、100%Vol ( Measure range is optional and customerized )
Resolution	0.001 PPM ( 0~1 PPM ) ; 0.01 PPM or 0.001 PPM ( 0~10 PPM ) ; 0.1 PPM or 0.01 PPM ( 0~100 PPM ) ; 1 PPM or 0.1 PPM ( 0~1000 PPM ) ; 1 PPM ( 0~1000 PPM ) ; 0.01mg/L ( 0~200%mg/L ) ; 0.1%LEL ( 0~100%LEL ) ; 0.01%(0~100%VOL)
Display	Formula, gas concentration data, measurement trend curve, gas curve, battery, time, temperature, humidity, pressure (optional), pump condition, wireless status, printer status, screen shot status

## Key Features

Alarm	Buzzer, red LED and alarm status on the display, fault alarm, pump abnormal alarm, low battery alarm
Data storage	Independent SD memory card, Max.32G, measurement data can be record automatically, customizable record time interval.
Data transmission	RS232,RS485 signal output,USB interface data transmission, with the upper computer software, can download storage, analyze and print data
Print function ( Optional )	Optional with internal portable printer or external bluetooth printer
Print content ( Optional )	Text, graphics, one-dimensional code, two-dimensional code, curves, characters, etc.
Charger	Standard Mini-USB charging port. With 13V/2A special charger (built-in printer) or 5V/2A universal charger (external printer )
Language	Chinese/English
Wireless network ( optional )	Bluetooth,Zigbee
Network frequency	2.4G high frequency.
wireless transmission distance	Bluetooth is less than 10m, and the ZigBee outdoor single point is less than 500m.

## Project Cases



SKY8000  
Applied in university laboratory,  
research institute, etc.

SKY8000  
Used in Large oil refinery and  
metallurgical plant, etc.



▶  
SKY8000  
Applied in Inspection and quarantine  
bureau, hospital, etc.

▼  
SKY8000  
Used in mines, tunnel engineering site



## 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.

### ATO

Tel: +1 800 585 1519

E-mail: [sales@ato.com](mailto:sales@ato.com)

Web: [www.ato.com](http://www.ato.com)