

# MULTI GAS ANALYZER

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.



## Key Features

### 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 a 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 modes 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)
- The analyzer can be equipped with an internal printer or external Bluetooth printer, to realize the mobile print function(Optional)
- High temperature, high humidity environment measurement(Optional)

#### Data logging

- Large capacity quick storage function, storage space can be customized
- With 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 kinds of industry environment

#### Application

- confined space, research, and high standard test environment,
- The complex environment of multiple gases

## Specification

<b>Sampling</b>	Multiple industrial pump gas sampling, ten grades of pumping flow rate for selection.
<b>Sensors</b>	Various principle sensors can be combined in any number, up to 18 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)
<b>Measure range</b>	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)
<b>Resolution</b>	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 above); 0.01mg/L(0~200%mg/L); 0.1%LEL(0-100%LEL); 0.01%(0-100%VOL)
<b>Precision</b>	≤±2%F.S (Higher precision can be customized)
<b>Temperature &amp; Humidity</b>	Temperature: -20-50°C, resolution : 0.1°C; Humidity : 0-99%RH, Resolution: 1%RH

<b>Pressure</b>	0.5 – 2.0 bar (Optional)
<b>Screen</b>	3.5-inch HD LCD screen with resolution 320* 480
<b>Display</b>	Formula, Concentration Data, Unit, Curve, Battery Power, Time, Temperature, Humidity, Pressure (Optional), Pump Status, Wireless Status, Printer Status, Screenshot Status
<b>Alarm</b>	Buzzer, red LED and alarm status on the display, fault alarm, pump abnormal alarm, low battery alarm
<b>Data storage</b>	An independent SD memory card, Max.32G, Measurement data automatic recording function, can customize the record time interval
<b>Signal output/Data download</b>	RS232, RS485; can be downloaded to the computer in TXT files through USB connection; can be equipped with upper computer software for users to download, store, analyze and print the data
<b>Print function (Optional)</b>	Optional with internal portable printer or external Bluetooth printer
<b>Print content (optional)</b>	Text, graphics, one-dimensional code, QR codes, curves, characters, etc
<b>Charger</b>	Standard Mini-USB charging port, equipped with 13V/2A special charger (internal printer) or 5V/2A standard charger (external printer)
<b>Battery</b>	High capacity of lithium polymer rechargeable battery, 5400mAh/11.1V (internal printer) or 10000mAh/3.7V (external Bluetooth printer), for single gas: 32h continuously; for multi 6 gases: 24h continuously
<b>Language</b>	Chinese/English
<b>Humidity</b>	0~95%RH(no condensation) (optional filter device is available if high humidity)
<b>Temperature</b>	-20°C~+50°C, Optional gas sampling gun, can detect up to 1200 degrees gas concentration
<b>Explosion-proof</b>	Ex ic IIC T3 Gc
<b>Degree of protection</b>	IP65
<b>Weight</b>	3700g
<b>Warranty</b>	12 months