MARK SAFETY APPLIANCES
(An ISO 9001:2015 Certified Company)

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mark!
S A F E T Y
Protect what's valued

SAFEGAS
Specialized in Gas Detection for 16 Years

SKY2000
Multi gas and dust detector

SKY2000
Multi gas and particle counter

Product overview

SKY2000 is a multi gas and particle counter with flexible configuration of various sensors. It can be equipped with 1-4 gas sensors plus 1 dust sensor and 1 temperature & humidity sensor, which can detect gas, dust concentration, temperature, humidity and dew point at the same time. There are two detection modes for dust, one is the weight mode and the other is particle count mode which can be switched arbitrarily. It can detect up to 6 particle sizes at the same time to meet various detection requirement. Adopting world-wide reputation brand of gas sensor as well equipping with built-in sampling pump, it has the advantages of fast response, high accuracy, good stability and repeatability.

Specialized in Gas Detection For 16 Years

Product Advantage

- Adopting world-wide reputation brand of gas sensor

- Detect 1-4 kinds of gases, gas type can be specified, dust particle sensor and temperature & humidity sensor can be added

- Multiple display interfaces, including gas concentration mode, dust weight mode and Particle count mode which can be switched arbitrarily

- Up to 6 particle sizes can be detected at the same time to meet a variety of detection needs

- Support one-key switching between Chinese and English language

- Built-in powerful sampling pump, can work in a slightly negative pressure environment

- Explosion proof certified, explosion proof grade：Exia Ⅱ CT4

- Unique design with lightweight, its shell is made of high-strength engineering plastic material, non-slip, waterproof, dustproof, explosion-proof

- One press to restore factory setting, free from the bother of mis-operation

- With temperature and pressure compensation, can compensate gas concentration under different temperatures or pressures conditions

- Durable and exquisite aluminum alloy suitcase

Applications

▲ Park, woodland

▲ Municipal Engineering

▲ Ports, warehousing, airports

▲ Railway tunnel

▲ Community, school, hospital

▲ other urban construction

Accessories & Configuration List

Standard Accessories

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

Instruction

SKY2000
Pumping Gas Detector

A charging adapter

Aluminum suitcase

Technical Specification

SKY2000

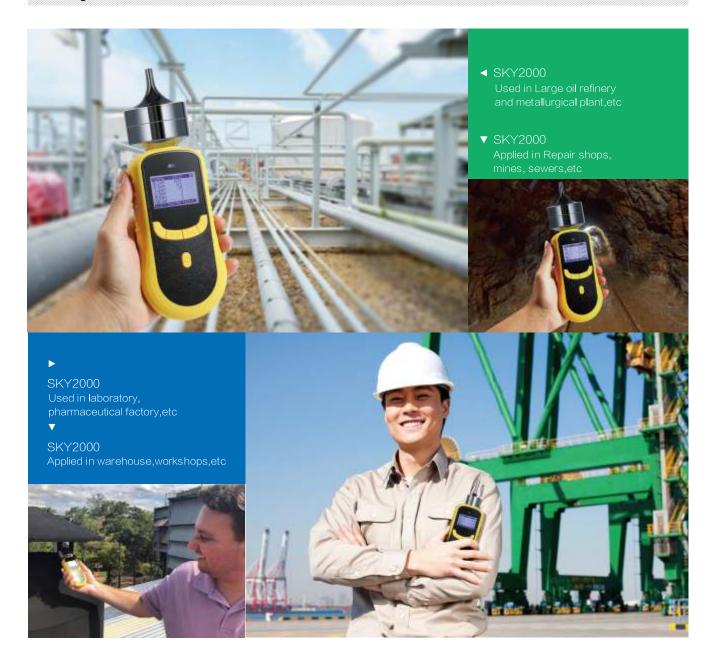|	
Sensors	CO 0~500ppm, O2 0~30%VOL, NOx 0~20ppm, SO2 0~20ppm, Dust 0~1000ug/m3，Temperture-40℃~+120℃ , Humidity 0~100%RH
Detection principle	Electrochemical(CO, O2，NOx, SO2)、Laser(Dust)、Thermosensitive(Tem) Humidity Sensitivity(Hum)
Sampling Method	Pumping suction, flow rate can up to 1L/min, ten grades of pumping suction for selection.
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	ExiaⅡCT4
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

List of air quality monitoring parameters
(Gas type, measure range, resolution not listed can be customized)

No.	Parameters	Measure range	Resolution	No.	Parameters	Measure range	Resolution
01	CO	0~1000ppm	1ppm	10	C6H6	0~10ppm	0.01ppm
02	SO2	0~100ppm	0.01ppm	11	PM0.3	0~1000ug/m3	1ug/m3
03	NO2	0~100ppm	0.01ppm	12	PM0.5	0~1000ug/m3	1ug/m3
04	O3	0~10ppm	0.01ppm	13	PM1.0	0~1000ug/m3	1ug/m3
05	TVOC	0~100ppm	0.01ppm	14	PM2.5	0~1000ug/m3	1ug/m3
06	NH3	0~100ppm	0.01ppm	15	PM5.0	0~1000ug/m3	1ug/m3
07	H2S	0~50ppm	0.01ppm	16	PM10.0	0~1000ug/m3	1ug/m3
08	CO2	0~2000ppm	1ppm	17	temperature	-40℃~125℃	0.05℃
09	CH2O	0~10ppm	0.01ppm	18	humidity	0~100%RH	0.05%RH

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

- Environmental quality assessment including urban air quality monitoring, trend analysis and evaluation.
- Air quality monitoring in densely populated areas such as communities, schools, and hospitals.
- Air quality monitoring in industrial areas, power plants, garbage stations, sewage treatment plants, storage and underground areas.
- Air quality monitoring on urban roads, airports, ports, railways, tunnels and construction sites
- Air quality monitoring in open area such as parks, woodlands and crop research;