



SKY2000

Multi gas and particle detector

Product overview

SKY2000 is a multi gas and particle detector 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.



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



▲ Railway tunnel



▲ Municipal Engineering



▲ Community, school, hospital



▲ Ports, warehousing, airports



▲ other urban construction

Accessories & Configuration List

Standard Accessories

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



Aluminum suitcase

Technical Specification

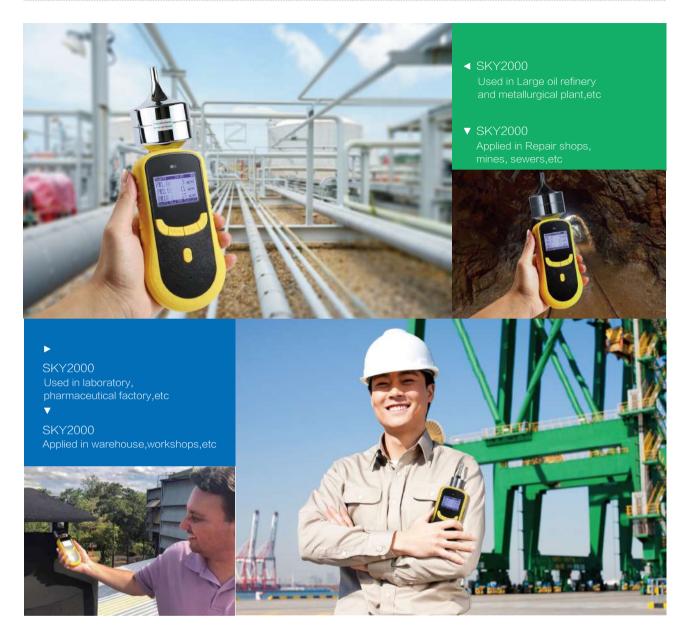
SKY2000

Sensors	PM10/PM2.5 0-1000ug/m3, Temperture-40℃~+120℃, Humidity 0-100%l					
Detection principle	Laser(PM10&PM2.5)、Thermosensitive(Tem) Humidity Sensitivity(Hum)					
Sampling Method	Pumping suction, flow rate can up to 1L/min, ten grades of pumping suctio for selection.					
Precision	2%F.S.					
Signal Output (optional function)	High-speed data transmission by USB, available for data downloading and printin					
Response Time	≤10S					
Repeatability	≤ ± 1%					
Zero shift	≤ ± 1% (F.S/year)					
Operating language	Chinese/English					
Temperature	-20℃~50℃					
Explosion-Proof	Exia ll 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	0-90 %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	О3	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



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;