

# SKY2000-CO2 GAS DETECTOR



SKY2000-CO2 Carbon dioxide gas detector is a kind of fast response and high accuracy gas measurement portable device. With internal sampling pump, fast sampling speed and high flow rate, ensuring the response time of the detector. Unique design, small size and easy to carry with. Special high intensity engineering plastics housing, suitable for different kinds of situation and environment. We dedicate to provide you the most reliable, accurate and the safest solution of gas detection.

## Key features

### Fast response & high accuracy

- with internal sampling pump, response time  $\leq 30s$
- using world top brand sensors, high precision, the detection result is approved by the third testing organization

### Comprehensive functions

- gas concentration unit PPM and  $mg/m^3$  can be shifted by one press.
- With Self-calibration and zero calibration functions, making the detection more accurate and reliable.
- One press to restore factory setting, free from the bother of mis-operation

### Alarm mode

- Alarm with light, sound and vibration, ensuring the safety of the users.
- Alarm point is settable according to the specific requirements.

### Data logging

- Storage capacity of over 100000 sets, the historical detected data can be read on the detector quickly.
- High-speed data transmission by USB, available for data downloading to PC.

### Long operation time

- High capacity of lithium polymer rechargeable battery, for toxic gas: 14h continuously. For combustible gas: 10 h continuously.

### High quality case

- Special high intensity engineering plastics housing, suitable for different kinds of situation and environment
- IP65 protection degree, water-proof, dust-proof, explosion-proof

### Industry

**Application:** farms, livestocks, liquid ammonia plants, public toilets, septic tanks.

## Specification

<b>Sampling</b>	With internal sampling pump, flow rate is up to 1L/min
<b>Data logging</b>	Data logging with adjustable interval, and available for data downloading to PC through USB cable.
<b>Gas</b>	Carbon dioxide CO <sub>2</sub>
<b>Measure Range</b>	0-2000ppm, 0-5000ppm, 0-10000ppm, 0-20000ppm, 0-50000ppm, 0-10%vol, 0-20%vol, 0-100%vol(measure range can be customized)
<b>Resolution</b>	1ppm, 0.01%vol (resolution can be customized)
<b>Precision</b>	≤±2%F.S. (higher precision is available)
<b>Response Time</b>	≤10S
<b>Zero shift</b>	≤±1% (F.S./year)
<b>Display</b>	LCD dot matrix display, with display of gas type, real time gas concentration, battery power, time, gas unit.
<b>Temperature</b>	-20°C~50°C
<b>Humidity</b>	0-95%RH (non-condensing)

<b>Explosion-Proof</b>	ExibIICT4
<b>Degree of protection</b>	IP65
<b>Alarm</b>	<p>Sound: 85dB</p> <p>Light: LED, low alarm: blue, high alarm: red</p> <p>Vibration: the detector will vibrate when powered on</p> <p>Alarm point is settable according to customer requirement.</p>
<b>Battery</b>	3.6V 2300mAh lithium polymer rechargeable battery, operate time is about 12h continuously, charging time: 4-6 h
<b>Dimensions</b>	205x75x32mm
<b>Weight</b>	300g
<b>Approval</b>	CE, CNEX explosion proof certificate, CMC(China Metrology Certification)
<b>Warranty</b>	12 months