SKY2000 series gas detector is a kind of fast response and high accuracy gas measurement 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.
Product Advantages

Product advantages

- Employing original imported first-class brand sensor.
- (optional) High speed data transmission by USB, which can download and print data.
- LCD dot matrix display, the gas type, unit, concentration, local time can be showed on the screen.
- Support Chinese and English operation, easy to shift.
- The gas concentration unit PPM and mg/m³ can be shifted quickly.
- Built-in micro sampling pump, 10 grades of suction are available.
- Explosion-proof certification, explosion-proof grade: Ex ia IIC T4 Ga

Functions

- Monitor the specified gas concentration in environment and enclosed space and alarm.
- With Self-calibration and zero calibration functions, makes the detection more accurate and reliable.
- One press to restore factory setting, free from the bother of mis-operation.
- With temperature and pressure compensation, this is able to realize gas concentration compensation under conditions of different temperatures or pressures.
- Two-stage alarm with sound and light, alarm point is settable.
- Rechargeable lithium polymer battery of large capacity.
- Employing pumping sampling method and the pumping suction is adjustable.
- Special engineering plastics housing of high intensity, anti-skipping.
- water-proof, dust-proof, explosion-proof.
- Elegant and exquisite aluminum alloy suitcase.
Application

- Petrochemical & Chemical Industry
- Municipal Engineering & Utilities
- Agricultural & Environmental Protection
- Electronic
- Food & Pharmaceutical Industry
- Other Industries

Accessories & Configuration List

Standard Accessories

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

SHENZHEN YUANTE TECHNOLOGY CO., LTD
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Tel: 0755-23762934
www.isafegas.com
## Technical Specification

### Safegas*SKY2000

<table>
<thead>
<tr>
<th>Gas Detected</th>
<th>O2, N2, CO2, EX, hazardous gas, VOC, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection principle</td>
<td>Electrochemistry, infrared ray, catalytic combustion, PID photo ionization (according to the target gas and sensor).</td>
</tr>
<tr>
<td>Sampling Method</td>
<td>Pumping suction, flow rate can up to 1L/min, ten grades of pumping suction for selection.</td>
</tr>
<tr>
<td>Measure Range</td>
<td>The range is optional, according to the target gas and the sensor.</td>
</tr>
<tr>
<td>Resolution</td>
<td>According to sensor and measure range</td>
</tr>
<tr>
<td>Precision</td>
<td>According to sensor.</td>
</tr>
<tr>
<td>Signal Output (optional function)</td>
<td>High-speed data transmission by USB, available for data downloading and printing</td>
</tr>
<tr>
<td>Response Time</td>
<td>≤10S</td>
</tr>
<tr>
<td>Repeatability</td>
<td>≤±1%</td>
</tr>
<tr>
<td>Zero shift</td>
<td>≤±1% (F.S/year)</td>
</tr>
<tr>
<td>Operating language</td>
<td>Chinese/English</td>
</tr>
<tr>
<td>Temperature</td>
<td>-20℃~50℃</td>
</tr>
<tr>
<td>Explosion-Proof</td>
<td>Exib II CT4</td>
</tr>
<tr>
<td>Alarm mode</td>
<td>Sound, light, vibration</td>
</tr>
<tr>
<td>Dimensions</td>
<td>205<em>75</em>32mm</td>
</tr>
<tr>
<td>Recovery Time</td>
<td>≤10S</td>
</tr>
<tr>
<td>Linearity error</td>
<td>≤±1%</td>
</tr>
<tr>
<td>Display</td>
<td>LCD dot matrix display</td>
</tr>
<tr>
<td>Gas unit</td>
<td>Units are switchable</td>
</tr>
<tr>
<td>Humidity</td>
<td>0~95%RH</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP66</td>
</tr>
<tr>
<td>Operating time</td>
<td>100h (pump off)</td>
</tr>
<tr>
<td>Weight</td>
<td>300g</td>
</tr>
</tbody>
</table>

### Normal gas types and parameters (Other gases are not listed can be customized)

<table>
<thead>
<tr>
<th>Detected gas</th>
<th>measure range</th>
<th>Optional ranges</th>
<th>Resolution</th>
<th>Response time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable gas (EX)</td>
<td>0~100%LEL</td>
<td>0~100% VOL</td>
<td>0.1%LEL/0.1%VOL</td>
<td>≤10S</td>
</tr>
<tr>
<td>Oxygen (O2)</td>
<td>0~30%VOL</td>
<td>0~25%VOL</td>
<td>0.01%VOL/0.1%VOL</td>
<td>≤10S</td>
</tr>
<tr>
<td>Carbon monoxide (CO)</td>
<td>0~1000ppm</td>
<td>0~2000ppm</td>
<td>0.1ppm/1ppm</td>
<td>≤10S</td>
</tr>
<tr>
<td>Hydrogen sulfide (H2S)</td>
<td>0~100ppm</td>
<td>0~1000ppm</td>
<td>0.01ppm/0.1ppm</td>
<td>≤10S</td>
</tr>
<tr>
<td>Ammonia (NH3)</td>
<td>0~100ppm</td>
<td>0~200ppm</td>
<td>0.01ppm/0.1ppm</td>
<td>≤10S</td>
</tr>
<tr>
<td>Chlorine (CL2)</td>
<td>0~10ppm</td>
<td>0~100ppm</td>
<td>0.01ppm/0.1ppm</td>
<td>≤10S</td>
</tr>
<tr>
<td>Hydrogen Chloride (HCL)</td>
<td>0~20ppm</td>
<td>0~25ppm</td>
<td>0.01ppm/0.1ppm</td>
<td>≤10S</td>
</tr>
<tr>
<td>Nitric oxide (NO)</td>
<td>0~100ppm</td>
<td>0~100ppm</td>
<td>0.01ppm/0.1ppm</td>
<td>≤10S</td>
</tr>
<tr>
<td>Nitrogen dioxide (NO2)</td>
<td>0~20ppm</td>
<td>0~100ppm</td>
<td>0.01ppm/0.1ppm</td>
<td>≤10S</td>
</tr>
<tr>
<td>formaldehyde (CH2O)</td>
<td>0~10ppm</td>
<td>0~50ppm</td>
<td>0.01ppm/0.1ppm</td>
<td>≤10S</td>
</tr>
<tr>
<td>Ozone (O3)</td>
<td>0~10ppm</td>
<td>0~100ppm</td>
<td>0.01ppm/0.1ppm</td>
<td>≤10S</td>
</tr>
<tr>
<td>Carbon dioxide (CO2)</td>
<td>0~2000ppm</td>
<td>0~100%VOL</td>
<td>1ppm/0.01%VOL</td>
<td>≤10S</td>
</tr>
</tbody>
</table>