



## Multiple gas analyzer OC-2000

OC-2000 multiple gas analyzer adopts the most advanced large scale integrated circuit technology, the international standard of intelligent technology level design technology and proprietary digital simulation mixed communication design completely intelligent gas detector. It has advanced technology, excellent performance, high stability, which can detect the gas variety, with recovery factory default settings and since diagnosis function, use and maintenance convenience, greatly satisfy the industrial site safety monitoring of equipment with high reliability requirements, widely used in petroleum, chemical, environmental protection, metallurgy, refining, gas transmission and distribution, biological medicine, agriculture, etc



### Features

- 1) It used ultra-low-power 32-bit MCU semiconductor nanometer process 24-bit ADC data chip, measuring accuracy is the highest level;
- 2) A 3.5-inch industrial-grade color at a resolution of 320x480, automatically self-checking for sensors, main chips and components after power on;
- 3) Display the concentration in ppm, %vol, mg/m<sup>3</sup>;
- 4) Can inspect 1~12 different kinds of gases;
- 5) Data storage for 0.1 million groups of data, optional printer to print the data.
- 6) Built-in powerful vacuum pump, pumping distance up to 5 meters, which can work under micro negative pressure environment. Reasonable design of the gas room can ensure that the sensor is not affected by pressure;
- 7) Optional temperature-humidity sensor;
- 8) Overcharge protection, over-voltage protection, short-circuit protection, anti static, anti-magnetic function;
- 9) Real-time checking, timed test 2 test mode can be selected to meet different occasions and different needs of different users;
- 10) Automatic calibration for the sensors which up to level 6-point calibration to ensure measurement accuracy and linearity, also have data recovery function;
- 11) Temperature compensation in full span, indicators for power, pump, alarm and failure.
- 12) Optional high temperature sampler.

### Specifications



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Gas & Particles analyzer

<b>Gas Type</b>	CO <sub>2</sub> , CH <sub>4</sub> , SO <sub>2</sub> , CO, O <sub>2</sub> , NO <sub>x</sub> , SO <sub>x</sub>		
<b>Measurement Range</b>	CO <sub>2</sub> : 0~10000ppm CH <sub>4</sub> : 0~50000ppm SO <sub>2</sub> : 0~100ppm CO: 0~1000ppm NO <sub>x</sub> : 0~100ppm SO <sub>x</sub> : 0~100ppm O <sub>2</sub> : 0~30%vol Particles: 2.5-10 PM mg/m <sup>3</sup>		
<b>Sensor Type</b>	Infrared sensor for CO <sub>2</sub> and CH <sub>4</sub> ; Electrochemical sensor for CO, NO <sub>x</sub> , SO <sub>x</sub> , O <sub>2</sub> , H <sub>2</sub> S.		
<b>Accuracy</b>	≤±2%	<b>Response Time</b>	≤20s (T <sub>90</sub> )
<b>Linearity</b>	≤±1%	<b>Resume Time</b>	≤20s
<b>Repeatability</b>	≤±1%	<b>Zero Drift</b>	≤±1% (F.S/year)
<b>Sampling</b>	Pump-suction Speed of 2L/min	<b>Alarm Mode</b>	Audible-visual alarm
<b>Working Mode</b>	Real-time measurement and timing measurement (For timing measurement mode, the displayed data is average concentration in the timed period.)		
<b>Storage Mode</b>	Real-time storage and timed storage; Can keep record of 0.1 million groups of data		
<b>Print Mode</b>	Optional mini printer. User can set the print interval, auto-printing mode or manual printing mode.		
<b>Pump Mode</b>	Standard mode or vacuum mode. It can work in micro negative pressure environment.		
<b>Data Resume</b>	Factory default setting with one-key operating		
<b>Self-checking</b>	System checking for battery energy, display status, sensor and hardware		
<b>Protection Grade</b>	IP65	<b>Working Temp.</b>	-30°C~+60°C
<b>Ex Grade</b>	Exia II CT6	<b>Working Humidity</b>	≤95%RH (non condensing)
<b>Dimension</b>	230×120×220mm (L×W×H)	<b>Working Pressure</b>	-30Kpa~100Kpa
<b>Weight</b>	2.5Kg	<b>Power Supply</b>	6000mA rechargeable lithium battery
<b>Optional</b>	Wireless transmitters, transmission distance is 1000-3000 meters, more optional GPRS transmission over a long distance		



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**Remark:** For different gas types, it used different gas sensor. If you have any requirement for other gas type or measurement range, please contact the manufacturer freely.