

SKY8000-TRACE O2 ANALYZER

Portable trace oxygen analyzer is suitable for measuring trace oxygen in various industrial environments and providing display of oxygen concentration values. It is based on microcontroller technology and adopts a constant potential electrochemical principle oxygen sensor as the measurement unit. It has the characteristics of intelligence, high accuracy, fast response speed, and good stability. With large capacity lithium battery used inside, the analyzer has a long standby time; Using a 3.5-inch high-definition color screen as the window, the display is intuitive and rich in content. Users can freely set various parameters and the operation is simple.



Key Features

Product advantages

Sensors can be exposed to environments with high oxygen concentrations for a long time, without worrying about the rapid consumption of oxygen batteries and affecting their lifespan.

The instrument is equipped with a large suction pump and a built-in float flow meter, ensuring the stability of the instrument's intake pressure and flow rate

Using original imported industrial grade sensors, it can achieve simultaneous measurement of 1-6 gases

Selected aviation wear-resisting material, suitable for various kind of industry environment

3.5-inch hd LCD screen with resolution 320* 480, beautiful and useful menu interface

Single curve, data and other gas concentration display mode are switchable Mg/m³ and ppm unit can be shifted freely

With datalogger function, an independent 32G SD memory card inside, historical tested data can be viewed, downloaded and deleted

Optional with LORA,4G wireless function

Specification

Weight	3700g
Size	(H x W x D) 260*230*120mm
Measure range (O₂)	0~1000/5000/10000ppm
Detection principle	Electrochemical oxygen sensor
Battery	7.4VDC, 5200mA Rechargeable polymer battery with overcharge, over discharge, overvoltage, and short circuit protection functions
Precision	≤±2%F.S. (higher precision is available)
Response Time	T ₉₀ <30S (25°C)
Charging interface	Mini USB charging interface, combined with commonly used data cables and a mobile power supply, allows for charging anytime
Display	Gas formula, real-time data, real-time curve, battery, time, pump status, wireless status, etc.
Temperature	-20°C~55°C
Humidity	10-90%RH (No condensation) (If the humidity is too high, a filtering and drying device can be selected)
Explosion-Proof	Ex ic IIC T3 Gc
Degree of protection	IP65

Screen	3.5-inch color display screen with a resolution of 320 * 480
Sampling method	Built in stable flow pump, flow range: 400-600mL/min. The built-in float flowmeter can display the intake flow rate
Alarm	Buzzer, red LED and alarm status on the display, fault alarm, low battery alarm
Data logger	With standard 32GB SD card (larger capacity can be customized), with a storage interval from 5S to 30 minutes, can achieve local storage, viewing, deleting historical data and alarm records, and can export data through a U-disk.
Data Communication (optional)	With USB-RS485 adapter cable is connected to the computer, and real-time data transmission can be achieved through GPC-Y20 PC software, including data storage (CSV document) and exporting curve reports (PDF document);
Wireless transmission (optional)	Can be equipped with wireless transmission modules such as Lora , 4G, and uploaded to SAFEGAS Cloud