

ZA-3002 Portable Gas Purity Analyzer

Purity Analyzer



Brief Introduction

ZA-3002 portable gas purity analyzer adopts thermal conductivity sensor with high stability and high precision. According to the difference in thermal conductivity of gas, it can measure the content of random one gas of two mixture gases accurately and quickly. Unique technique of wide-range temperature compensation is adopted, so as to guarantee the measurement precision of instrument. It can monitor gas purity during generator operation and normal operation in hydrogen station. It can measure the gas concentration in the gas replacement process when generator shuts down and starts up.

Main Features

- ◆ Thermal conductivity sensor with high stability and high precision
- ◆ Full-range temperature compensation, quick response, high precision and steady performance
- ◆ Real-time curve display
- ◆ Operation and control by color touch screen
- ◆ Storage and printing the measuring data
- ◆ Intelligent display of electricity quantity and intelligent charging protection

Technical Parameters

Measurement range	90~100% H ₂ (Air) Typical accuracy $\pm 0.1\%$ 0~100% CO ₂ (Air) 0~100% CO ₂ (H ₂)
Precision	$\pm 2\% F.S$
Repeatability	$\leq \pm 1\% F.S$
Response time	T90 ≤ 15 seconds
Flow	0~2SCFH(1SCFH \approx 500mL/min)
Working flow	0.8~1.2SCFH
Power supply	built-in lithium battery (8000mAh), AC/DC
Using time	> 10 hours
Charging time	over 6 hours (with automatic charging protection)
Digital output	RS232 USB2.0

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Environment temperature -20~50℃
 Humidity ≤95%
 Dimensions 273 mm×257 mm×143 mm
 Weight about 5.8Kg

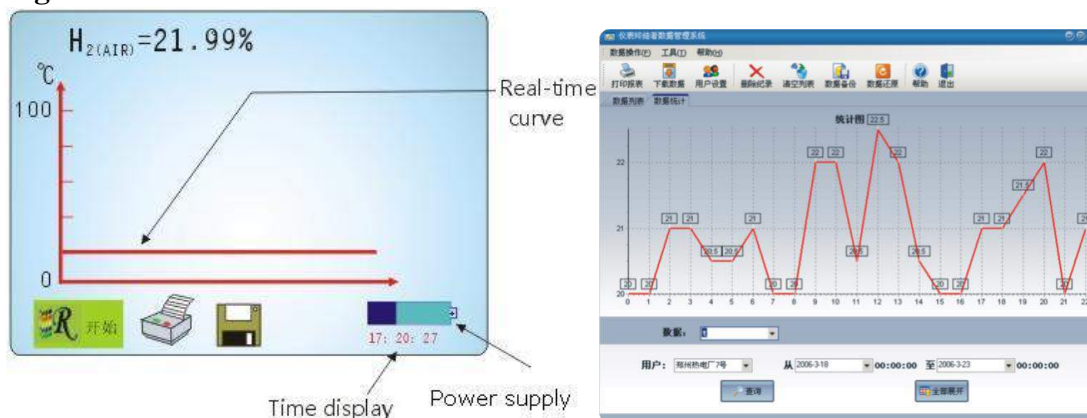
Optional Model:

ZA-3002HOP(triple range hydrogen+O₂ content)

ZA-3002HDP(triple range hydrogen purity, humidity)

Please indicate in the order if you use the nitrogen substitution unit.

Figure



ZA-3000 series data management system

1. Real-time curve display
2. Printing of measured data
3. Storage of measured data
4. Display of system time
5. Display of electricity quantity
6. Setting of printing data
7. File storage system
8. Network communication
9. Chinese and English bilingual interface

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