HAND-HELD ULTRASONIC OXYGEN ANALYZER

User Instruction

Model: RP-01

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目录

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1 Product Overview

The RP-01 handheld ultrasonic oxygen detector is developed by Winpower Technology Co., Ltd. based on our company's ultrasonic oxygen sensor. It uses the ultrasonic principle to detect the oxygen concentration and flow rate in the gas, and is suitable for the oxygen concentration and flow rate of the output from the PSA oxygen generator. An internal high-precision pressure sensor is installed to detect the pressure at the oxygen outlet of the oxygen generator.

2 Operating Environment

- This product is only for detecting the output gas of the PSA oxygen generator and must not be used to monitor the life support system.
- When using, please empty the water in the humidifier bottle of the oxygen generator or remove the humidifier bottle directly to prevent water from entering the detector and damaging the instrument.
- Dust filtration
- Please keep away from fire sources.

3 Instructions for Use

3.1 Button Instructions:

- Press the switch button: The LCD display will be activated.
- Press the function button: The flow, concentration, and pressure detection functions of the oxygen detector will be switched.
- Press the backlight button: The display switch will turn on the backlight.

3.2 Function Description:

- The display will show "HELLO" for approximately 4 seconds, then switch to display "C-21.0", and then normal detection can be performed.
- To detect flow, concentration, and pressure, insert the measured gas into the corresponding connector using a hose. After the detection is completed, if no further detection is conducted,

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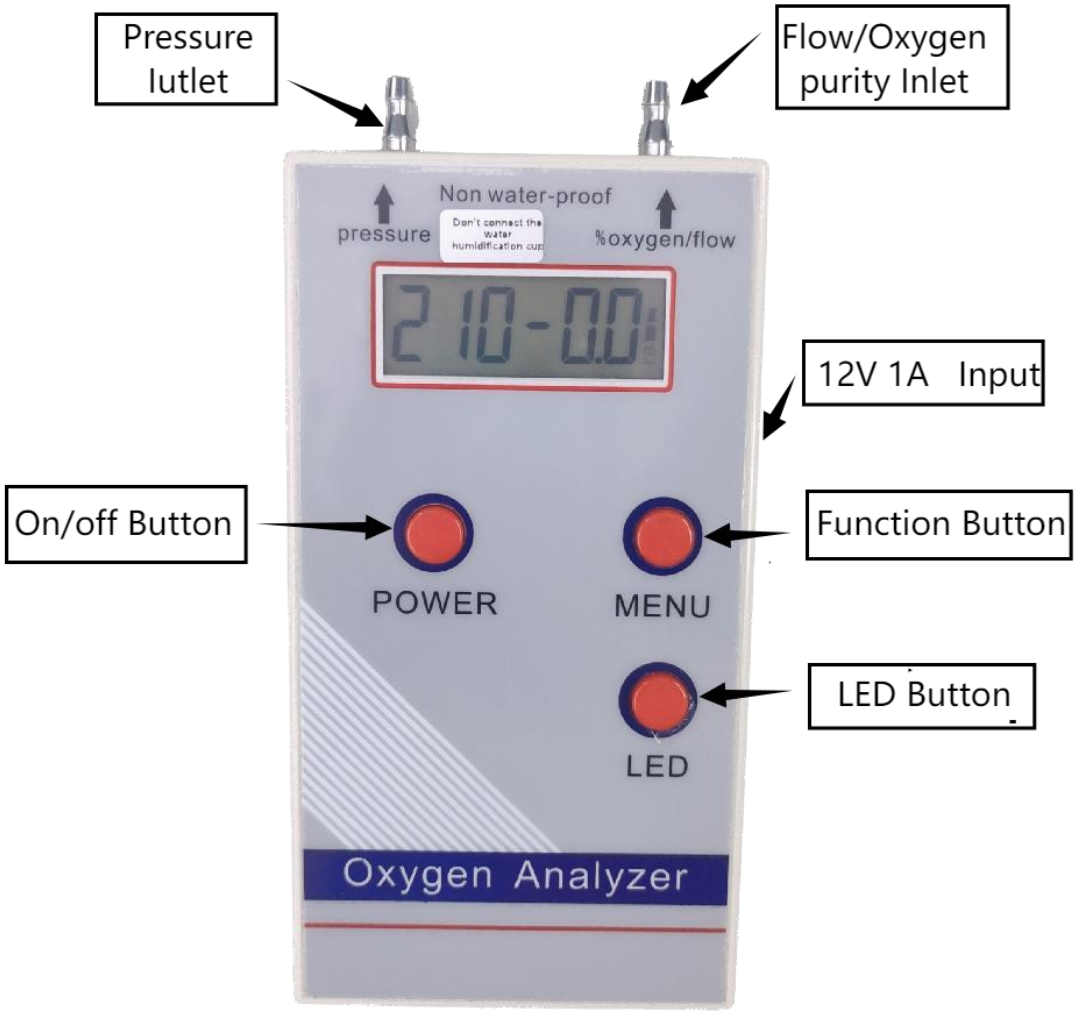
due to the internal oxygen not diffusing out, the concentration will show as greater than 21%, and the flow will be lower than 0.2. Restarting the machine will cause the concentration to rise from 21% to the normal concentration range, which is a normal phenomenon.

- Factory calibration is provided, and customers do not need to calibrate.
- It takes approximately 3 hours to fully charge. Without backlight, it can be used continuously for about 100 hours. With backlight on, it can be used for about 70 hours.

4 Button Identifier



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5 Technical data

OPERATIONAL	
Flow:	
Range:	0-10L/min□//0-20L/min□
Input:	PSA oxygen concentrator output only
Resolution:	0.1 L/min
Accuracy:	±0.2 L/min
Concentration:	
Range:	21% to 95.6% O2
Input:	PSA oxygen concentrator output only
Resolution:	0.1 %
Accuracy:	±1.5%
Pressure:	
Range:	0-100Kpa
Resolution:	1Kpa
Accuracy:	±1%FS
Temperature:	+5°C to +55°C
Display:	LCD
power supply	12V 1A
Battery:	3000mAh
Quality Assurance:	24 month
Specifications:	Weight: 300g Width: 9.5 cm Length: 17.6 cm Length Including Inlet Fittings: 19.5 cm Thickness: 3.5 cm

6 Testing content

DISPLAY	MEASURES	UNIT
F	Oxygen flow	lpm
C	Oxygen concentration	%
P	Pressure	Kpa

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7 Warranty Policy

7.1. The product warranty period is two years (calculated from the date of delivery).

7.2. If there are quality issues with the product during the warranty period, we will provide on-site after-sales service for the sold products in accordance with the national "three guarantees" regulations.

7.3. The following situations are not covered by this warranty:

- Damage caused by improper use, storage, or maintenance by the user (such as water ingress).
- Caused by improper operation as per the instructions.
- Caused by force majeure factors.
- Where the sales invoice cannot be provided.

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