langder Hilitand12xcinvypd Detector With Time and Date Display Instruction Manual

langder Hilitand12xcinvypd Detector With Time and Date Display Instruction Manual

Instruction Manual

24-06-V1-68A

Contents

Protect Your Air

This product is an advanced Oxygen Detector provide real-time monitoring of Oxygen (O2), Temperature, Humidity and Time on its digital LCD display.

This oxygen detector has the following outstanding features:

Accurate measurement : Using high sensitivity sensors, it can accurately detect oxygen concentration and provide you with reliable data.

Real time monitoring: Continuously display the oxygen content in real time, allowing you to constantly understand the oxygen status of the surrounding environment.

Sound Alarm: When the oxygen concentration is below the safe range, an sound alarm will be issued to remind you to take corresponding safety measures.

Portable: Compact design, convenient to carry, can be tested anytime and anywhere, suitable for various occasions.

Easy to operate: A simple and intuitive interface that can be easily used by even non professionals.

Oxygen detectors are not only safety devices, but also guardians of your health. It can help you prevent the risk of hypoxia, ensure work safety, and allow you to breathe fresh and healthy air in any environment.

How To Use

Turn On/Off Monitor

a) Long-press **Power Button** for 3 seconds to turn on / off the monitor.
Note : If you can't turn on the monitor, please plug in and charge it for a while first.

Oxygen Range (%Vol)
Oxygen Detection Range : 0-30.0%Vol
Green Color (Good): 18.0%Vol
Yellow Color (Slight) : 18.1-10.0%Vol
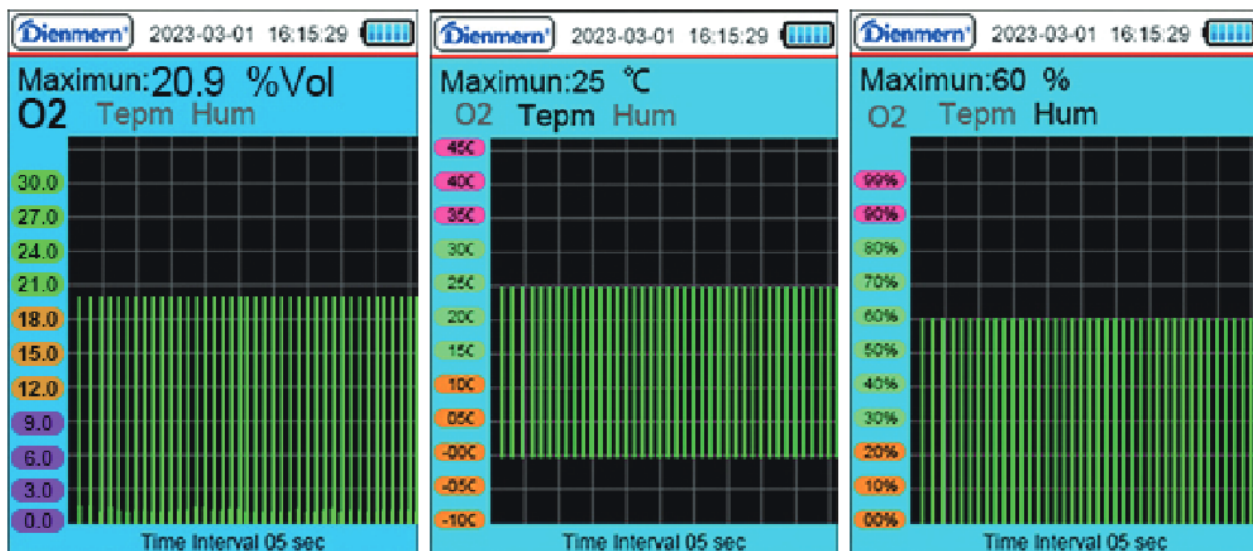Red Color (Serious): 10.1-0%Vol

History Record

a) Single-press **Power Button** to enter History Record interface.
b) Single-press **Up/Down Button** to switch to view the Graphs that show the data record of O2 / Temperature.
Note : Display the maximum value for each detection item.

Setting

a) After entering setting interface, the background colour of the first parameter is blue.
b) Single-press **Power Button**, the parameter content will pop up.
c) Single-press **Up / Down Button** to select the option.
d) Single-press **Power Button** again to confirm the setting.
e) Single-press **Down Button** to enter the next parameter setting.

You can set the following parameters:

Temp Unit : °C, °F
Alarm HTL : 12.0%Vol, 14.0%Vol, 16.0%Vol, 18.0%Vol
Log Interval : 05sec, 10sec, 30sec, 60sec, 05min, 10min, 30min
TEMP Bias : +5, +4, +3, +2, +1, 0, -1, -2, -3, -4. -5
Black Time : Never, 15min, 30min, 02hour, 05hour
Language : English, Chinese
Brightness : 100%, 75%, 50%, 25%, Auto
Buzzer Set : Off, On

Notes: TEMP Bias (Temperature Numerical Compensation Settings) is used to compensate for errors in the measurement process.

Charging

When low battery icon is displayed, the device needs to be charged. Insert the included or another compatible micro USB charging cable into the device. Attach the other end to a USB DC charger (such as a smartphone charger) that outputs DC 5V at >=1000mA. Fully charge for at least 2-3 hours before use. Avoid charging with a USB computer port which only outputs 500mA

Parameter

	Measurement Range	Measurement Method	Resolution	Measurement Accuracy
O2	0 - 30 %Vol	Electrochemistry	0.1%Vol	±3%F.S.
Temperature	-10°C - 50°C (14°F - 122°F)	Semiconductor	1°C (1.8°F)	±1°C (±1.8°F)
Humidity	20% - 85%	Semiconductor	1%	±4%

Tips

Tip 1: Strange Readings? Do This:

1. Turn the device off for some time and then turn it back on again (effectively allowing the monitor to reset). After continuous use for extended periods, the device may simply need to be reset.
2. Open a window or bring the device outdoors to allow the sensor to exhaust any accumulated fumes and to allow the readings to adjust back down to more normal levels.

Tip 2: Not Using It? Turn It Off:

For the most consistently accurate readings and longest product life, it is recommended to turn the monitor off while it is not in use. This will preserve the battery, sensor, and fan.

Tip 3: Open A Window:

Often the quickest and most practical way to get readings back into the desired range is to simply open a window to ventilate more clean outdoor air into your home. This obviously does not apply if you are located in a Wildfire area or any other area with compromised outdoor air quality.

Tip 4: Cooking Impacts Air Quality:

Cooking often releases increased amounts of unhealthy pollutants into the air including but not limited to CO_2, PM2.5 and 10, and VOCs. Furthermore, how and what you cook determine the types of pollutants which will be released into the air.

Considerations & Precautions

- **Sampling Frequency:**

The sampling frequency of the monitor is 1.5 seconds.

This means that the, monitor is providing you with updated readings every 1-2 seconds. Please note that, in order to provide constantly-updated, real-time readings, it contains a continuously running mini fan which gives off a very slight buzzing sound.

- Upon turning off the monitor, you will see a brief " Power Off " appear on the screen. This is normal. This is not an error message.
- This air monitor should be used indoors and kept dry at all times. It is strongly recommended to store in a cool the dry place.
- **DO NOT** expose to sunlight or use in an extremely polluted, dusty, or smoky environment for prolonged periods as doing so may damage the sensors over time.
- **DO NOT** cover the air intake areas during use to avoid inaccurate measurements.
- **DO NOT** use chemicals or solvents to clean the product as residual fumes will skew air quality readings.
- **DO NOT** put water or other liquids on or near the product to avoid electrical damage.
- **DO NOT** allow unauthorized modification or repair of this product.
- **DO NOT** take apart or disassemble this monitor. Doing so may damage the product and will invalidate the warranty.

Product Specifications

Item	Oxygen Detector
Product Size	161*77*33mm
Product Weight	265g (9.35 oz)
Display Method	LCD Screen
Measuring Item	Oxygen (O2), Temperature, Humidity
Detection Method for O2	Electrochemistry
Concentration Unit for O2	%Vol
O2 Measuring Range	0-30.0% Vol
Atmospheric Pressure	12.5 PSI - 15.4 PSI
Sampling Time	1.5 Seconds
Temperature Range	-10°C - 50°C (14°F - 122°F)
Storage Temperature	-10°C - 60°C (14°F - 140°F)
Relative Humidity	20%-85%
Humidity Range	20%-85%
Power Source	1500 mAh Rechargeable Lithium Battery. 5V DC Power Charging via USB Port

Warning:
While this product can reduce your risk of harm by increasing your awareness of air quality, it can in no way guarantee your health or safety. Please instead take a comprehensive approach to living healthy and do not depend on this monitor alone to improve your health or save your life.

Legal Disclaimer:
The use or misuse of this monitor is conditioned upon the user's agreement that in no event shall the

manufacturer, importer, reseller, or distributor of this monitor be liable for any direct, indirect, punitive, incidental, special consequential damages, to property or life, whatsoever arising out of or connected with the use of this monitor.

Product List

Oxygen Detector x 1
USB Charging Cable x 1
Product Manual x 1

Documents / Resources

	langder Hilitand12xcinvypd Detector With Time and Date Display [pdf] Instruction Manual 2024814101430, 830, Hilitand12xcinvypd Detector With Time and Date Display, Hilitand12xcinvypd, Detector With Time and Date Display, Time and Date Display, Date Display, Display

References

- **User Manual**