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> VISLONE Ozone Detector O3 Air Quality Monitor Instruction Manual

VISLONE XQW7306983922014CY

VISLONE Ozone Detector O3 Air Quality Monitor

Model: XQW7306983922014CY - User Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your VISLONE Ozone Detector O3 Air Quality Monitor. This device is designed to measure ozone (O3) concentration, temperature, and humidity, providing real-time air quality data. It features a clear LCD display, a rechargeable battery, and an adjustable alarm threshold for O3 levels.

2. SAFETY INFORMATION

- Read all instructions carefully before operating the device.
- Keep the device away from water and high humidity environments.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Use only the provided USB cable for charging.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Ensure proper ventilation when using the device, especially in areas with potentially high ozone concentrations.

3. PRODUCT OVERVIEW

3.1 Device Components

The VISLONE Ozone Detector features a robust design with clearly labeled components for ease of use.



Image: Detailed view of the VISLONE Ozone Detector, highlighting its internal and external components including the Power button, Menu button, Return button, Move buttons, 2.8-inch LCD screen, Ozone sensor, Temperature sensor, Humidity sensor, 32-bit ARM chip, Air convection system, Alarm buzzer, and Bracket.

3.2 Key Features and Dimensions

The device is compact and designed for portability, offering multiple monitoring capabilities.



Image: The VISLONE Ozone Detector displaying its dimensions (approximately 6.45 inches in length and 3.03 inches in width) and icons representing its core functions: History track, Rechargeable battery, Ozone detection, Humidity measurement, and Temperature measurement.

4. SETUP

4.1 Charging the Device

Before initial use, fully charge the device. The integrated 2000mAh lithium battery provides extended operation.



2000mAh Capacity



Low battery
warning



5-8 Hours
charging time



12+ Hours
working time



Image: The VISLONE Ozone Detector connected via a Micro USB cable for charging. The image illustrates various charging methods, including connection to a laptop, car charger, and power bank. Key battery information is displayed: 2000mAh capacity, low battery warning, 5-8 hours charging time, and 12+ hours working time.

1. Connect the Micro USB cable to the device's charging port.
2. Connect the other end of the USB cable to a compatible USB power source (e.g., computer, USB wall adapter, power bank).
3. The battery indicator on the LCD screen will show charging status. A full charge typically takes 5-8 hours.
4. A low battery warning will appear when the charge is critically low.

4.2 Powering On/Off

- To power on: Press and hold the Power button until the LCD screen illuminates.
- To power off: Press and hold the Power button until the screen turns off.

4.3 Initial Self-Calibration

The device supports a self-calibration function to ensure accurate readings. Refer to the on-screen menu for initiating this

process.

5. OPERATING INSTRUCTIONS

5.1 Understanding the Display

The 2.8-inch color LCD provides real-time data for ozone concentration, temperature, and humidity, along with an Air Quality Index (AQI) for ozone.



Image: The device's LCD screen displaying current O3 concentration in ppm (0.031 ppm), temperature in Celsius (23°C), and humidity percentage (58%). An AQI bar indicates the air quality level (Good, Slight, Moderate, Serious) based on O3 concentration. The corresponding AQI ranges are provided: 0~0.100: Fine, 0.100~0.300: Slight, 0.300~1.000: Moderate, 1.000~4.999: Serious.

- **O3 (Ozone) Concentration:** Displayed in parts per million (ppm).
- **Temperature:** Displayed in Celsius (°C).
- **Humidity:** Displayed as a percentage (%).
- **AQI (Air Quality Index):** A visual indicator of ozone air quality, categorized as Fine, Slight, Moderate, or Serious

based on concentration levels.

5.2 Navigation Buttons

Use the physical buttons below the screen to navigate menus and adjust settings.

- **Power Button:** Turns the device on/off.
- **Menu Button:** Accesses the main menu for settings and functions.
- **Return Button:** Goes back to the previous screen or exits a menu.
- **Move Buttons (Up/Down):** Navigates through menu options or adjusts values.

5.3 Setting Alarm Thresholds

The device allows you to set a user-adjustable alarm threshold for O₃ concentration to alert you of elevated levels.

- Navigate to the 'Alarm Settings' option in the main menu using the Move buttons.
- Select the O₃ alarm threshold and adjust the value to your desired level.
- Confirm your selection. The device will emit an audible and/or visual alarm when the O₃ concentration exceeds this set threshold.

MULTIFACETED ALARM STATUSWIDE

Built-in lithium battery for longer use



Image: The VISLONE Ozone Detector displaying its screen with icons for battery status and an alarm, indicating its multifaceted alarm capabilities. The image emphasizes the built-in lithium battery for extended use.

5.4 Viewing History Track

The device records historical data, allowing you to track ozone concentration changes over time.



Image: The VISLONE Ozone Detector's display showing a graphical representation of O3 concentration over time, labeled as 'History track'. The graph plots O3 ppm values against time intervals, with a maximum recorded value of 0.011 ppm shown.

- Access the 'History Track' option from the main menu.
- The screen will display a graph showing ozone concentration trends over a selected period.
- Use the Move buttons to navigate through the historical data if applicable.

6. MAINTENANCE

6.1 Cleaning

- Wipe the device exterior with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.
- Ensure no liquids enter the sensor openings or charging port.

6.2 Battery Care

- Recharge the battery when the low battery warning appears.
- For long-term storage, charge the device to approximately 50% and store in a cool, dry place. Recharge every 3-6 months to prevent deep discharge.

6.3 Storage

- Store the device in its original packaging or a protective case when not in use.
- Keep out of reach of children and pets.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted.	Charge the device using the provided USB cable.
Inaccurate readings.	Device needs calibration; sensor obstruction.	Perform self-calibration via the menu. Ensure sensor openings are clear of dust or debris.
Alarm not sounding.	Alarm threshold not set or volume too low.	Check alarm settings in the menu and adjust the threshold and volume.
Screen is blank or frozen.	Software error; low battery.	Restart the device by holding the power button. If issue persists, charge the device.

8. SPECIFICATIONS

- **Screen:** 2.8-inch Color Liquid Crystal Display (LCD), 320 x 240 pixels
- **O3 Concentration AQI Ranges:**
 - 0~0.100 ppm: Fine
 - 0.100~0.300 ppm: Slight
 - 0.300~1.000 ppm: Moderate
 - 1.000~4.999 ppm: Serious
- **Battery:** 2000mAh Lithium Battery (rechargeable)
- **Charging Port:** Micro USB
- **Sensors:** Electrochemistry sensor for O3, Temperature sensor, Humidity sensor
- **Dimensions:** Approximately 164 mm x 74 mm x 26 mm (6.5 x 2.9 x 1.0 inches)
- **Weight:** Approximately 472 g
- **Model Number:** XQW7306983922014CY
- **Manufacturer:** VISLONE

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your retailer. Keep your purchase receipt as proof of purchase.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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