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aqxreight GY-6H

aqxreight GY-6H Battery Capacity Indicator Voltmeter User Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your aqxreight GY-6H Battery Capacity Indicator Voltmeter. This device is designed to accurately display the battery capacity and voltage for 12V to 48V battery systems, featuring a clear backlit screen for easy readability.

2. Product Overview

The aqxreight GY-6H is a compact and reliable battery monitoring tool. It features a digital display that shows battery charge level as a percentage and a graphical battery bar. The unit is equipped with reverse connection protection for enhanced safety.



Figure 2.1: Front view of the aqxreight GY-6H Battery Capacity Indicator Voltmeter, displaying 89% battery capacity with a green backlight.

3. Package Contents

- 1 x aqxreight GY-6H Battery Capacity Voltage Meter
- 1 x Connection Cable

4. Specifications

Type	Battery Capacity Voltage Meter
Material	HTN / PCB
Weight	Approx. 13.7g

Size	Approx. 4.3 x 2.3 x 0.4 cm
Standard Voltage Range	12V - 48V
Scope of Application	Batteries or devices with battery power
Working Temperature	-10°C to 50°C
Model Number	aqxreight345n6pg78v-02

5. Setup and Installation

Follow these steps to properly install your battery capacity indicator:

1. **Identify Power Source:** Ensure your battery system's voltage is within the 12V-48V range.
2. **Connect Wires:** Connect the red wire of the provided cable to the positive (+) terminal of your battery. Connect the black wire to the negative (-) terminal of your battery.
3. **Secure Connection:** Ensure all connections are firm and secure. The device is engineered with reverse connection protection, but correct wiring is always recommended.
4. **Mounting:** Integrate the meter into your desired panel or enclosure.



Figure 5.1: The battery capacity indicator with its red and black connection wires, ready for installation.

6. Operating Instructions

Once connected, the aqxreight GY-6H will automatically power on and display the current battery capacity and voltage. No additional configuration is required for basic operation.

- **Reading the Display:** The screen shows a graphical battery bar and a percentage value (e.g., 89%) indicating the remaining battery capacity.
- **Backlight:** The display features a green backlight for clear visibility in various lighting conditions.



Figure 6.1: The display showing 68% battery capacity, indicating a partially discharged state.



Figure 6.2: The display showing 89% battery capacity, illustrating a nearly full charge.

7. Maintenance

The aqxreight GY-6H Battery Capacity Indicator Voltmeter requires minimal maintenance. Keep the device clean and dry. Avoid exposing it to extreme temperatures or harsh chemicals. Periodically check the wiring connections to ensure they remain secure.

8. Troubleshooting

- **No Display:**
  - Check if the power wires are correctly connected to the battery's positive and negative terminals.
  - Ensure the battery has sufficient charge to power the display.
- **Incorrect Reading:**
  - Verify that the battery voltage is within the specified 12V-48V range.

- Ensure connections are clean and free of corrosion.

9. Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact your retailer. Keep your purchase receipt for any warranty claims.

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Question

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

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