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NULKOMMA KING-METER Digital II

NULKOMMA King-Meter Digital II LCD Display Meter User Manual

Model: KING-METER Digital II

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NULKOMMA King-Meter Digital II LCD Display Meter. Please read this manual thoroughly before use to ensure proper function and safety.

What's in the Box

- King-Meter Digital II LCD Display Meter with integrated throttle and cable.

2. SAFETY INFORMATION

Always prioritize safety when installing and operating your ebike components. Failure to follow safety guidelines may result in injury or damage to the product.

- Ensure the ebike's power is off before installation or maintenance.
- Verify all connections are secure and correctly oriented to prevent electrical shorts.
- Do not attempt to modify the display unit or its wiring.
- Keep the display clean and free from excessive moisture, despite its IPX6 waterproof rating.
- Consult a professional if you are unsure about any installation or operation steps.

3. PRODUCT FEATURES

The NULKOMMA King-Meter Digital II LCD Display Meter offers a range of functions to enhance your ebike riding experience:

- **Multi-Function Display:** Provides real-time data including speed, battery level, current assist level (gear), and mileage.
- **Integrated Throttle:** Features a convenient thumb throttle for speed control.
- **Durable Construction:** Made from lightweight and durable ABS material.
- **Waterproof Design:** IPX6 waterproof rating protects against water splashes and dust.
- **Clear Readability:** Backlight ensures visibility in various lighting conditions, including dark environments.
- **Compact Design:** Small footprint on the handlebar, easy to carry and store.

- **Threaded Metal Connector:** Ensures a secure and reliable electrical connection.

4. SETUP AND INSTALLATION

Follow these steps to properly install your King-Meter Digital II LCD Display Meter on your ebike.

4.1 Mounting the Display

The display unit is designed for handlebar mounting. Ensure you have adequate space on your handlebar for secure placement.



Image: The King-Meter Digital II LCD Display Meter securely mounted on an ebike handlebar, showing its compact form factor.

1. Loosen the mounting screw on the display's clamp.
2. Position the display on your ebike handlebar in a location that is easily visible and accessible.
3. Tighten the mounting screw until the display is securely fastened and does not rotate freely. Do not overtighten.

4.2 Connecting the Cables

The display connects to your ebike's controller via a threaded metal connector. Ensure the ebike's power is off before making any electrical connections.



Image: A close-up view of the threaded metal connector, highlighting its design for secure attachment.

- Locate the corresponding connector on your ebike's wiring harness.
- Align the pins of the display's connector with the holes of the ebike's connector.
- Gently push the connectors together and then twist the threaded collar until it is finger-tight. This ensures a waterproof and secure connection.

Your browser does not support the video tag.

Video: This video demonstrates the connection process for an electric display meter, showing how to properly align and secure the threaded connector.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the display layout and button functions for optimal use.

5.1 Display Overview



Image: A detailed diagram of the display, indicating the Menu Button, Plus Button, Minus Button, Throttle Switch, Battery Status, Speed, Current Assist Level, and Variable Display area.

- **Battery Status:** Indicates the remaining battery charge.
- **Speed:** Shows current riding speed (km/h or mph).
- **Current Assist Level:** Displays the selected pedal assist level (e.g., 1-5).
- **Variable Display:** This area cycles through various data such as odometer (ODO), trip distance (TRIP), and riding time.

5.2 Button Functions

- **Power Button (⏻):** Press and hold to turn the display ON/OFF. A short press may cycle through display modes or activate backlight.
- **Plus Button (+):** Increases the pedal assist level or navigates menu options upwards.
- **Minus Button (-):** Decreases the pedal assist level or navigates menu options downwards.
- **Menu Button (M):** Used to enter/exit menu settings or confirm selections. A short press may cycle through variable display data.
- **Throttle Switch:** Provides instant acceleration when pressed. Use with caution and in appropriate riding conditions.

5.3 Basic Operation

1. **Power On:** Press and hold the Power button for a few seconds until the display illuminates.
2. **Adjust Assist Level:** Use the Plus (+) and Minus (-) buttons to select your desired pedal assist level.
3. **View Data:** Short press the Menu (M) button to cycle through different data displays (e.g., ODO, TRIP, riding time).
4. **Throttle Use:** Gently press the throttle switch to engage motor assistance without pedaling. Release to disengage.

5. **Power Off:** Press and hold the Power button again until the display turns off.

Your browser does not support the video tag.

Video: This video provides a general overview of the Nulkomma King-Meter Digital II LCD Display Meter, demonstrating its physical features and basic button interactions.

6. SPECIFICATIONS

Feature	Detail
Brand	NULKOMMA
Model Name	KING-METER Digital II
Display Type	LCD
Material	ABS
Color	Black
Item Weight	70 Grams
Mounting Type	Handlebar Mount
Included Components	LCD display
Waterproof Rating	IPX6

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your display meter.

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- **Connections:** Periodically check that the electrical connections are secure and free from corrosion.
- **Storage:** When not in use for extended periods, store the ebike and display in a dry, temperate environment.
- **Water Exposure:** While IPX6 rated, avoid submerging the display in water or exposing it to high-pressure water jets.

8. TROUBLESHOOTING

If you encounter issues with your King-Meter Digital II LCD Display Meter, refer to the following common troubleshooting steps:

- **Display Not Turning On:**
 - Ensure the ebike's main power is on.
 - Check the battery level of your ebike.
 - Verify that the display's cable connection is secure and fully engaged.
- **Incorrect Speed/Mileage Readings:**
 - Confirm that your ebike's wheel size setting (if adjustable via controller) is correct.
 - Check the speed sensor and its magnet for proper alignment and function.

- **Buttons Unresponsive:**

- Restart the display by turning the ebike power off and on.
- Ensure no debris is lodged around the buttons.

- **Throttle Not Working:**

- Check all cable connections related to the throttle.
- Ensure the ebike system is powered on and not in an error state.

If the issue persists after attempting these steps, please contact customer support.

9. WARRANTY AND SUPPORT

The NULKOMMA King-Meter Digital II LCD Display Meter comes with a **1-year warranty** from the date of purchase, covering manufacturing defects.

For any pre-sale or after-sale inquiries, technical assistance, or warranty claims, please contact NULKOMMA customer service. Our support team is available 24 hours to assist you.

Please have your product model (KING-METER Digital II) and purchase information ready when contacting support.