

[Manuals.plus](#) /

> [NULKOMMA](#) /

> NULKOMMA YL81F Ebike LCD Display Meter User Manual

NULKOMMA YL81F

NULKOMMA YL81F Ebike LCD Display Meter User Manual

Model: YL81F

1. INTRODUCTION

Thank you for choosing the NULKOMMA YL81F Ebike LCD Display Meter. This manual provides essential information for the proper installation, operation, and maintenance of your electric bicycle display. Please read this manual thoroughly before use to ensure optimal performance and safety.

The YL81F is a robust and waterproof LCD control panel designed for 36V and 48V electric bicycles, featuring a 5-pin connector and supporting the No.2 protocol for reliable communication with your ebike controller.

2. SAFETY INFORMATION

- Always ensure the ebike power is OFF before connecting or disconnecting the display.
- Do not attempt to disassemble or modify the display unit. This may void the warranty and cause damage.
- Keep the display clean and free from excessive dirt or debris.
- While the display is waterproof, avoid prolonged submersion or high-pressure water jets.
- Ensure all connections are secure to prevent intermittent operation.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x NULKOMMA YL81F LCD Display Meter

4. PRODUCT OVERVIEW

The NULKOMMA YL81F display provides essential riding data and control for your ebike. It consists of the main LCD screen unit and a separate control button panel.



Figure 4.1: Overview of the NULKOMMA YL81F Ebike LCD Display Meter and its separate control unit.

4.1. Display Unit

The LCD screen shows various parameters such as speed, battery level, assistance level (PAS), trip distance, odometer, maximum speed, and average speed.



Figure 4.2: Front view of the YL81F display unit with approximate dimensions (59.5mm width, 95mm height, 86mm mount width).

4.2. Control Button Panel

The separate button panel allows for easy interaction with the display without reaching the screen itself. It typically includes buttons for power, mode selection, and assistance level adjustment.



Figure 4.3: Close-up of the control button panel, showing power, mode, and up/down buttons.

4.3. Connectivity

The display connects to your ebike controller via a waterproof 5-pin connector, ensuring reliable operation even in wet conditions.



Figure 4.4: The YL81F display, control unit, and the waterproof 5-pin connector.

5. SETUP AND INSTALLATION

Follow these steps to properly install the NULKOMMA YL81F display on your ebike:

1. **Mounting the Display:** Fix the LCD display unit and the separate control button panel onto the handlebar of your electric vehicle. The display is compatible with handlebar diameters of 22.2mm, 25.4mm, 28.6mm, and 31.8mm. Adjust the viewing angle for optimal visibility.



Figure 5.1: Rear view of the display mount, showing attachment points for the handlebar.



Figure 5.2: Side view of the display and its handlebar mounting mechanism.

2. **Connecting to the Controller:** Ensure the ebike power is completely OFF. Connect the display's 5-pin connector to the corresponding connector on your ebike's controller. Ensure the connection is firm and secure.
3. **Power On:** Turn on the ebike's main power. The display and the electric vehicle should now enter normal operating state.



Figure 5.3: The YL81F display correctly mounted on an ebike handlebar.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off

- To power on the display, press and hold the **Power** button on the control panel.
- To power off the display, press and hold the **Power** button again.

6.2. Displayed Information

The LCD screen typically shows the following information:

- **Current Speed:** Displays your real-time riding speed.
- **Battery Level:** Indicates the remaining battery charge.
- **PAS Level:** Shows the current Pedal Assist System level (e.g., 0-5).
- **TRIP:** Distance covered for the current ride.
- **ODO:** Total accumulated distance (odometer).
- **MAX:** Maximum speed achieved during the current ride.
- **AVG:** Average speed during the current ride.

6.3. Button Functions

The control panel buttons allow you to navigate and adjust settings:

- **Power Button:** Turns the display on/off.
- **Up/Down Buttons (+/-):** Adjusts the PAS level or navigates through menu options.

- **Mode/Info Button (i):** Cycles through different display modes (e.g., TRIP, ODO, MAX, AVG) or enters settings menu.
- **Light Button (headlight icon):** Controls the ebike's lights (if connected and supported by the controller).

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to wipe the display screen and casing. Avoid abrasive cleaners or solvents that could damage the surface.
- **Water Resistance:** The display is designed to be waterproof for typical riding conditions. However, do not intentionally submerge it or expose it to high-pressure water sprays.
- **Storage:** When not in use for extended periods, store the ebike and display in a dry, temperate environment.
- **Connection Check:** Periodically check that the 5-pin connector is securely attached and free from corrosion or damage.

8. TROUBLESHOOTING

If you encounter issues with your NULKOMMA YL81F display, refer to the following common problems and solutions:

- **Display does not power on:**
 - Ensure the ebike's main power is on.
 - Check if the 5-pin connector is securely plugged into the controller.
 - Verify the ebike battery has sufficient charge.
- **No speed reading or incorrect data:**
 - Check the connection to the speed sensor (if external).
 - Ensure the wheel magnet is correctly positioned relative to the speed sensor.
 - Confirm the display settings for wheel size are correct (if adjustable).
- **Buttons are unresponsive:**
 - Ensure the display is powered on.
 - Check for any physical obstruction or damage to the buttons.

If the problem persists after attempting these solutions, please contact NULKOMMA customer support for further assistance.

9. SPECIFICATIONS

Feature	Specification
Brand	NULKOMMA
Model Number	YL81F
Display Type	LCD
Voltage Compatibility	36V, 48V
Connector Type	Waterproof 5-pin

Sensor Type	Speed Sensor, Cadence Sensor
Mounting Type	Handlebar Mount
Compatible Handlebar Diameters	22.2mm, 25.4mm, 28.6mm, 31.8mm
Human Interface Input	Buttons
Material	Premium ABS

10. WARRANTY

The NULKOMMA YL81F Ebike LCD Display Meter comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

Please retain your proof of purchase for warranty claims.

11. SUPPORT

For technical support, warranty claims, or any questions regarding your NULKOMMA YL81F Ebike LCD Display Meter, please contact NULKOMMA customer service through the retailer where you purchased the product or visit the official NULKOMMA brand store online.

When contacting support, please provide your product model (YL81F) and a detailed description of the issue.

