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> cogae LCD-GD02 Electric Bike Display Meter User Manual

cogae LCD-GD02

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MODEL: LCD-GD02

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the cogae LCD-GD02 Electric Bike LCD Display Meter. This display is designed for electric bikes and scooters, offering clear visibility of essential riding data. Please read this manual thoroughly before use to ensure proper function and safety.



Image 1.1: The cogae LCD-GD02 Electric Bike LCD Display Meter, showing its compact design and integrated cable.

2. Product Overview

The LCD-GD02 display meter is a central interface for monitoring your electric bike or scooter's performance. It features a clear LCD screen and is compatible with various voltage systems.

- **Voltage Compatibility:** Supports 24V, 36V, 48V, 52V, and 60V systems.
- **Communication Protocol:** Designed for use with controllers that match the No. 2/OMD communication protocol.

- **Connector Type:** Features an SM5+2PIN connector for reliable connection.



Image 2.1: Diagram illustrating the internal smart chip for improved product quality and performance stability, along with the durable ABS material construction.

LCD instrument display is clear

- at a glance
- stable performance



GD02 ordinary head

Image 2.2: The LCD instrument display, highlighting its clarity for at-a-glance information and stable performance.

3. Specifications

Refer to the table below for detailed technical specifications of the LCD-GD02 display meter.

Specification	Value
Product Model	GD02 instrument
Product Name	JN instrument
Operating Temperature	-20~60°C
Size (L x W x H)	82.02 x 48.02 x 22.25 mm
Core Wire Specification	5pins + 2pins
Joint Type	Ordinary joint
Weight	135.4g
Color	Black
Voltage	24V-60V



product model

GD02 instrument

product name

JN
instrument

Core wire
specification
5pins+2pins

operating
temperature
-20~60°C

weight
135.4g

joint
ordinary joint

size
82.02*48.02*22.25mm

color
black

voltage
24V-60V

Image 3.1: Detailed diagram showing the dimensions of the GD02 display and a summary of its key specifications.

4. Installation

Follow these steps to properly install the LCD-GD02 display meter on your electric bike or scooter.

1. **Mounting:** Securely attach the display to your handlebar using the integrated clamp. Ensure it is positioned for optimal visibility and accessibility.
2. **Connecting the Main Cable:** Locate the main cable from the display. Connect the 5-pin connector to the corresponding port on your electric bike's controller. Ensure the connection is firm and secure.
3. **Connecting the Lamp Wire (if applicable):** If your system includes a separate lamp wire, connect the 2-pin connector to the designated lamp port.
4. **Cable Management:** Route the cables neatly along the frame, securing them with cable ties to prevent interference with moving parts and protect them from damage.
5. **Power On:** After all connections are made, power on your electric bike to verify the display functions correctly.

GD02 Installation



Color screen instrument is clearly visible, and riding data is recorded throughout the entire process

24-60V

voltage

5 cores +2 cores

core wire

135.4g

weight



Image 4.1: The GD02 display meter shown mounted on an electric bike handlebar, illustrating its typical placement.



Image 4.2: An overview of the GD02 installation, highlighting its voltage compatibility (24-60V), core wire configuration (5 cores + 2 cores), and weight (135.4g).



Image 4.3: Close-up of the GD02 display showing the 5-core main connector and the separate lamp wire connector, along with the total cable length of 1690mm (66.5 inches).

5. Operation

The LCD-GD02 display provides real-time information and allows for basic control of your electric bike's settings.

5.1 Button Functions

- **'+' Button:** Typically used to increase values or navigate up in menus.
- **'M' Button (Mode):** Used to switch between display modes (e.g., ODO, TRIP, AVG, MAX) or enter/exit settings menus.
- **'-' Button:** Typically used to decrease values or navigate down in menus.

5.2 Display Indicators

The display shows various indicators to keep you informed during your ride:

- **Speed:** Current riding speed (mph/km/h).
- **Mileage:** Odometer (ODO), Trip distance (TRIP), Average speed (AVG), Maximum speed (MAX).
- **Error:** Indicates system errors or warnings.
- **Power:** Battery level indicator.
- **PAS Level:** Pedal Assist System level.
- **Headlight Indicator:** Shows if headlights are on.

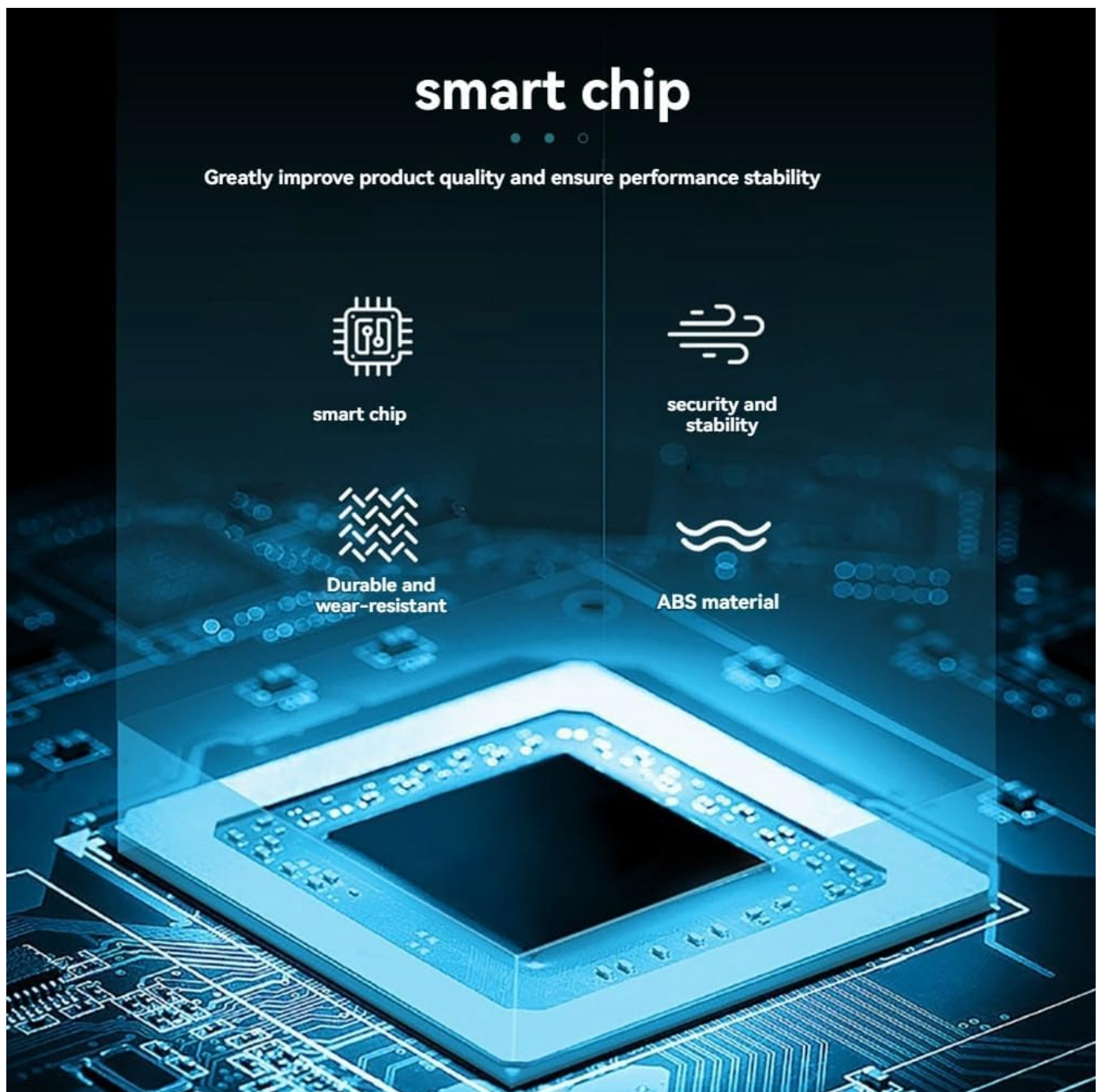


Image 5.1: A close-up view of the GD02 display, clearly showing the digital speed reading, mileage data (ODO, TRIP, AVG, MAX), battery level, error indicator, and headlight icon.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your LCD-GD02 display meter.

- **Cleaning:** Use a soft, damp cloth to wipe the display screen and casing. Avoid abrasive cleaners or solvents that could damage the plastic or screen.
- **Protection:** Protect the display from direct sunlight for extended periods and extreme weather conditions when not in use.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion or damage.
- **Avoid Impact:** Prevent the display from impacts or drops, as this can cause internal damage or screen cracks.

7. Troubleshooting

If you encounter issues with your LCD-GD02 display, refer to the following common troubleshooting steps:

- **Display Not Turning On:**

- Check if the main power to the electric bike is on.
- Verify all cable connections, especially the main 5-pin connector, are securely seated.
- Ensure the battery has sufficient charge.

- **Incorrect Readings:**

- If speed or mileage readings are inaccurate, check the wheel speed sensor and its connection to the controller.
- Ensure the display settings (e.g., wheel diameter) are correctly configured (refer to your controller's manual for specific setting adjustments if applicable).

- **Error Codes Displayed:**

- Refer to your electric bike's controller manual for a list of specific error codes and their meanings. The display typically shows codes generated by the controller.
- Common issues include motor, controller, or battery faults.

- **Buttons Not Responding:**

- Ensure the buttons are not stuck or obstructed.
- A power cycle (turning the bike off and on) may resolve temporary software glitches.

If problems persist after attempting these steps, it is recommended to consult a qualified technician or contact customer support.

8. Warranty and Support

The cogae LCD-GD02 Electric Bike LCD Display Meter is covered by a standard manufacturer's warranty against defects in materials and workmanship. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or further assistance, please contact your retailer or the manufacturer directly. Contact information can typically be found on the product packaging or the manufacturer's official website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question