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› EIMSOAH Motorcycle LCD Digital Speedometer, Odometer, Tachometer (Model EIMSOAH86ycamkwsn)

EIMSOAH EIMSOAH86ycamkwsn

EIMSOAH Motorcycle LCD Digital Speedometer, Odometer, Tachometer

Model: EIMSOAH86ycamkwsn

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your EIMSOAH Motorcycle LCD Digital Speedometer. This universal 66mm gauge is designed to accurately display speed, mileage, and RPM for motorcycles with a 12V power supply. Its robust and waterproof design ensures reliable performance in various conditions.

2. SAFETY INFORMATION

- Always ensure the motorcycle's power is off before attempting any installation or wiring.
- Incorrect wiring can damage the speedometer or the motorcycle's electrical system. If unsure, consult a qualified technician.
- Ensure all connections are secure and insulated to prevent short circuits.
- Mount the speedometer securely to avoid vibration-induced damage or detachment during operation.
- Do not attempt to disassemble or modify the speedometer, as this may void the warranty and cause malfunction.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x EIMSOAH Motorcycle LCD Digital Speedometer

4. SPECIFICATIONS

Material	ABS (Acrylonitrile Butadiene Styrene), Metal

Shell Color	Chrome
Lens Color	Transparent
Voltage	12V DC
Measurement Range	0 ~ 160 km/h
Unit	km/h
Diameter	66 mm / 2.6 inches
Height	57 mm / 2.2 inches
Mounting Bracket Length	72 mm / 2.8 inches
Distance between Mounting Screws	45 mm / 1.8 inches
Cable Length	30 cm / 11.8 inches
Approximate Package Weight	269 g
Fitment	Universal for all motorcycles with 12V power supply

5. SETUP & INSTALLATION

5.1. Physical Installation

The speedometer is designed for universal fitment on 12V motorcycles. Use the integrated mounting bracket to secure the unit to a suitable location on your motorcycle, typically near the handlebars. Ensure the mounting is firm and stable to prevent movement during riding.



Figure 1: Speedometer dimensions and mounting points.



Figure 2: Rear view of the speedometer with mounting bracket.

5.2. Wiring Instructions

Carefully connect the speedometer wires to your motorcycle's electrical system according to the following diagram. Ensure all connections are correct before applying power.

- **Black Wire:** Connects to the **negative (-)** power supply.
- **Red and Black Wire:** Connects to the **positive (+)** power supply.
- **Green Wire:** Connects to the **positive (+)** power supply for the backlight.
- **Blue and White Wire:** Connects to the **oil/mileage detection line**.



Figure 3: Wiring details and display example.

6. OPERATING INSTRUCTIONS

Once properly installed and wired, the speedometer will power on with your motorcycle's ignition. The high-definition LCD LED indicator provides a clear, anti-glare display, visible from all angles, even in low light conditions.

6.1. Display Readout

- The large central digits indicate your current speed in km/h.
- The lower section displays the odometer (ODO) for total mileage and trip mileage (TRIP).
- The upper arc indicates RPM (x1000r/min).
- An oil level indicator (E-F) is also present.



Figure 4: Clear LCD display in operation.



Figure 5: Speedometer mounted on a motorcycle with active display.

7. MAINTENANCE

The EIMSOAH speedometer is designed for durability and requires minimal maintenance.

- **Cleaning:** Use a soft, damp cloth to clean the display and housing. Avoid abrasive cleaners or solvents that could damage the lens or chrome finish.
- **Water Resistance:** The robust electroplating ABS shell provides complete waterproofing and resistance to minor collisions. However, avoid prolonged submersion or high-pressure water jets directly on the unit.

Robust electroplating ABS shell, totaly waterproof and allows to withstand slight collision



Figure 6: Speedometer demonstrating its waterproof feature.

8. TROUBLESHOOTING

If you encounter issues with your speedometer, consider the following common troubleshooting steps:

- **No Power/Display:**
 - Check all wiring connections, especially the positive and negative power lines, for secure contact.
 - Verify that your motorcycle's 12V power supply is functioning correctly.
 - Inspect for any blown fuses in the motorcycle's electrical system.
- **Inaccurate Speed Reading:**
 - Ensure the speedometer is correctly calibrated for your wheel size (if applicable, though this model is typically universal and self-calibrating for standard signals).
 - Check the connection to the speed sensor line.
- **Backlight Not Working:**
 - Verify the green wire connection to the positive power supply.

9. WARRANTY AND SUPPORT

EIMSOAH is committed to providing reliable products. If you have any questions or require assistance after receiving your product, please contact our professional customer service team. We are dedicated to ensuring your satisfaction and providing the best possible experience.

For support, please refer to the contact information provided with your purchase or visit the official EIMSOAH store on Amazon.