

Akozon Akozonxgzs306n9d-01

Akozon Motorcycle LCD Digital Tachometer Speedometer Odometer User Manual

Model: Akozonxgzs306n9d-01

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Akozon Motorcycle LCD Digital Tachometer Speedometer Odometer. This universal gauge is designed to provide essential vehicle information, including speed, engine RPM, and mileage, with a clear LCD display. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation.

- Ensure the motorcycle's power is off before beginning any installation or wiring.
- Incorrect wiring can damage the product or the motorcycle's electrical system. If unsure, consult a qualified technician.
- Mount the gauge securely to prevent vibration or detachment during operation.
- Do not attempt to disassemble or modify the gauge, as this may void the warranty and cause malfunction.
- The product is waterproof, but avoid prolonged submersion or high-pressure water jets directly on the display.

3. PRODUCT FEATURES

- **Multi-function Display:** Integrates tachometer, speedometer, and odometer functions.
- **Wide Measurement Range:** Tachometer 0-10000 RPM, Speedometer 0-199 KM/H.
- **Clear LCD Digital Screen:** Provides easy-to-read information in various lighting conditions.
- **Unit Switching:** Supports display in both kilometers per hour (km/h) and miles per hour (mph).
- **Oil Level Indicator:** Includes an oil measurement function.
- **Durable Construction:** Housing made of plated iron and glass lens for enhanced durability.

- **Waterproof Design:** Excellent waterproof performance for reliable use in various weather conditions.
- **Universal Fitment:** Compatible with most motorcycle types.



Image 3.1: Akozon Motorcycle LCD Digital Tachometer Speedometer Odometer. The image shows the plated silver gauge next to a red motorcycle, illustrating its universal design and appearance.



Image 3.2: The LCD digital screen displaying speed, RPM, odometer, and fuel level. The display is shown in a bright blue color, highlighting its clear readability.

4. SETUP AND INSTALLATION

4.1 Package Contents

- 1 x Akozon Motorcycle Tachometer Gauge

4.2 Installation Steps

1. **Prepare for Installation:** Ensure the motorcycle's ignition is off and the battery is disconnected to prevent electrical shorts.
2. **Mount the Gauge:** Securely attach the tachometer gauge to your motorcycle using the provided mounting hole (approximately 8mm / 0.31in diameter). Ensure it is firmly fixed and visible to the rider.

- It can also display with mile unit.
- It has oil measuring function and 0-10000 RPM 0-199 KM / H speed measurement function.



Image 4.2.1: Rear view of the gauge showing the mounting bracket and the wiring harness. The black button for ODO/TRIP function is also visible.

3. **Wiring Connections:** Carefully connect the wires according to the instructions below. Refer to your motorcycle's wiring diagram if necessary.

- **Black Wire:** Connect to the positive (+) terminal of the power supply (12V DC).
- **Green Wire:** Connect to the negative (-) terminal or ground.
- **Blue and White Wire:** Connect to the oil level sensor wire.
- **Yellow and Black Wire:** Connect to the tachometer signal wire (engine RPM signal).



Image 4.2.2: Close-up view of the multi-colored wiring harness, showing the individual wires for connection.

4. **Reconnect Power:** Once all connections are secure, reconnect the motorcycle battery.
5. **Test Functionality:** Turn on the motorcycle ignition and verify that the gauge powers on and displays information correctly.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

The gauge powers on automatically when the motorcycle ignition is turned on and powers off when the ignition is turned off.

5.2 Display Modes and Unit Switching

The LCD digital screen displays speed (km/h or mph), engine RPM, total odometer (ODO), trip odometer (TRIP), and fuel level.

- **Switching ODO/TRIP:** The ODO (total mileage) and TRIP (current trip mileage) functions can be toggled by pressing the black button located on the back of the meter.
- **Unit Switching (km/h to mph):** The gauge supports displaying speed in both kilometers per hour (km/h) and miles per hour (mph). Refer to the setting instructions for how to change this unit.



Image 5.2.1: The LCD display showing different color options and information layout, including speed, RPM, and odometer readings.

5.3 Setting Adjustments (Based on user reviews, as no official instructions are provided)

Note: Official setting instructions are not provided. The following information is based on user experiences and may vary. Proceed with caution.

- **Entering Settings Mode:** Press and hold the button on the back of the meter while turning on the ignition. This may display "P0000" or similar, indicating entry into setting mode.
- **Password for Settings:** Some users report a password like "P6610" to access advanced settings. Use the button to adjust values and confirm.

- **Speedometer Pulse Setting:** Within settings, you might find an option like "00466" which could relate to the speed pulse setting (e.g., 46.6Hz). Adjust this to calibrate the speedometer.
- **Speed Unit Change:** Short press the button to cycle through speed display units (e.g., "1-001" for km/h, "1-002" for mph). Long press to confirm and move to the next setting.
- **Tachometer Setting:** Options like "2-002" (every count) or "2-004" (2/1 count) might be available for tachometer calibration.
- **Fuel Gauge Setting:** Settings like "3-002" (100Ω) or "3-003" (500Ω) may correspond to different fuel sensor resistances. Select the one compatible with your motorcycle.
- **Odometer Reset:** Some users report that entering "P8810" in the initial "P0000" screen might reset the odometer. Use with caution as this may not be reversible.
- **Exiting Settings:** Long press the button to return to the main meter display after making adjustments.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the display and housing. Avoid abrasive cleaners or solvents that could damage the surface.
- **Inspection:** Periodically check the wiring connections for looseness or corrosion. Ensure the mounting is secure.
- **Water Resistance:** While waterproof, avoid directing high-pressure water sprays directly at the gauge, especially during washing.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Gauge does not power on.	No power supply; incorrect wiring; blown fuse.	Check black wire connection to positive (+12V DC). Verify green wire is connected to ground. Inspect motorcycle fuse box.
Speedometer or Tachometer not working.	Incorrect signal wire connection; faulty sensor; incorrect settings.	Ensure yellow/black wire (tachometer) and blue/white wire (oil/speed, depending on model) are correctly connected. Check sensor functionality. Review setting adjustments (Section 5.3).
Inaccurate speed reading.	Incorrect speedometer pulse setting.	Access settings mode and adjust the speedometer pulse setting (e.g., "00466" value) to calibrate.
Fuel gauge not displaying correctly.	Incorrect oil level sensor wire connection; incompatible fuel sensor resistance setting.	Verify blue/white wire connection to the oil level sensor. Adjust the fuel gauge resistance setting (e.g., "3-002" or "3-003") in the settings menu.
LCD display flickering or blank.	Loose internal connection; product defect.	Check all external wiring connections. If the problem persists, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Condition	100% Brand New

Feature	Detail
Item Type	Tachometer Gauge
Housing Material	Plated Iron + Glass Lens
Voltage	12V DC
Speedometer Unit	km/h (switchable to mph)
Odometer Unit	km
Speed Range	0-199 km/h
Tachometer Range	0-10000 RPM
Mounting Hole Diameter	Approx. 8mm / 0.31in
Weight	0.26 kg
Model Number	Akozonxgzs306n9d-01
UPC	753874657428

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact your retailer or visit the official Akozon store on Amazon: [Akozon Store](#). Please have your model number (Akozonxgzs306n9d-01) and purchase details ready when contacting support.

