

Akozon Akozongob5q417tr-12

Akozon Motorcycle Digital Speedometer Tachometer Instruction Manual

Brand: Akozon | Model: Akozongob5q417tr-12

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Akozon Universal Digital Motorcycle Speedometer and Tachometer. Designed for compatibility with 1, 2, and 4-cylinder motorcycle models, this digital dash offers precise speed, RPM, and gear position display, along with odometer and trip meter functions. Its robust ABS construction ensures durability in various environmental conditions.

KEY FEATURES

- **Clear Digital Display:** Provides quick and accurate access to real-time motorcycle data in all lighting conditions.
- **Durable Construction:** Made of impact-resistant and wear-resistant ABS materials for optimal performance in harsh environments.
- **Efficient Voltage Operating System:** Operates on DC 8-12V power supply, preventing issues from voltage instability.
- **Wide Compatibility:** Suitable for 1, 2, and 4-cylinder motorcycle models.
- **Easy Installation:** Humanized design allows for straightforward installation without complex tools.
- **Multi-function Display:** Includes speed (km/h, mph), gear position (1-6, N), odometer, trip meter, and RPM range (0-14000 r/min).

SPECIFICATIONS

Feature	Detail
Item Type	Motorcycle Speedometer
Material	Acrylonitrile Butadiene Styrene (ABS)
Speed Display Range	0-199 km/h (miles)
Gear Position	1/2/3/4/5/6 N
Odometer Display	0 ~ 999999 kilometers (miles)
Odometer Display Unit	0.1 km
RPM Range	0 ~ 14000 r/min
Fitment	Compatible with 1, 2, 4 Cylinders models
Power Supply	DC 8-12V
Thread Type	Hall Effect
Dimensions (Approx.)	19.3cm (Length) x 10.2cm (Width) x 8.6cm (Height)

SETUP

Proper installation is crucial for accurate readings and safe operation. Follow these steps carefully:

1. Physical Installation

Mount the speedometer securely on your motorcycle's handlebars or dashboard using the provided bracket and hardware. Ensure it is positioned for clear visibility while riding.



Image: Dimensions of the Akozon Motorcycle Speedometer, showing its length, width, and height for proper fitment.

2. Wiring Connections

Connect the speedometer's wiring harness to your motorcycle's electrical system. Refer to the wiring diagram provided with your product for specific connections. Key connections typically include:

- Power (usually red wire to ignition switched 12V)
- Ground (usually black wire to chassis ground)
- Ignition/RPM signal (for tachometer function)
- Speed sensor input
- Neutral gear indicator
- Turn signal indicators (left/right)
- High beam indicator
- Fuel level sensor input



Made of ABS materials that are impact resistant, wear resistant
Optimal performance in any harsh environment



Image: Akozon digital speedometer installed on a motorcycle, demonstrating its integration into the bike's system.

3. Speed Sensor Installation

Install the speed sensor near the wheel, ensuring it can detect the magnets. The sensor typically mounts to the brake caliper bracket or a similar fixed point. Attach the magnets to the wheel rotor bolts or spokes, maintaining a small, consistent gap between the sensor and magnets for accurate readings.

Motorcycle Speedometer



Image: Close-up view of the Akozon digital speedometer display on a motorcycle, showing speed, RPM, and gear indicators.

4. Initial Settings Configuration

After wiring, turn on the ignition. The speedometer will perform a self-test. To enter the settings menu, typically press and hold the 'SET' button (or similar) while turning on the ignition, or as indicated in the specific product manual. Adjust the following parameters:

- **Tire Circumference:** Input the circumference of your front wheel for accurate speed readings.
- **Number of Magnets:** Set this according to the number of magnets installed for the speed sensor.
- **Cylinder Type:** Select 1, 2, or 4 cylinders to ensure correct RPM readings.
- **Fuel Sensor Type:** Configure the fuel sensor resistance type if applicable.

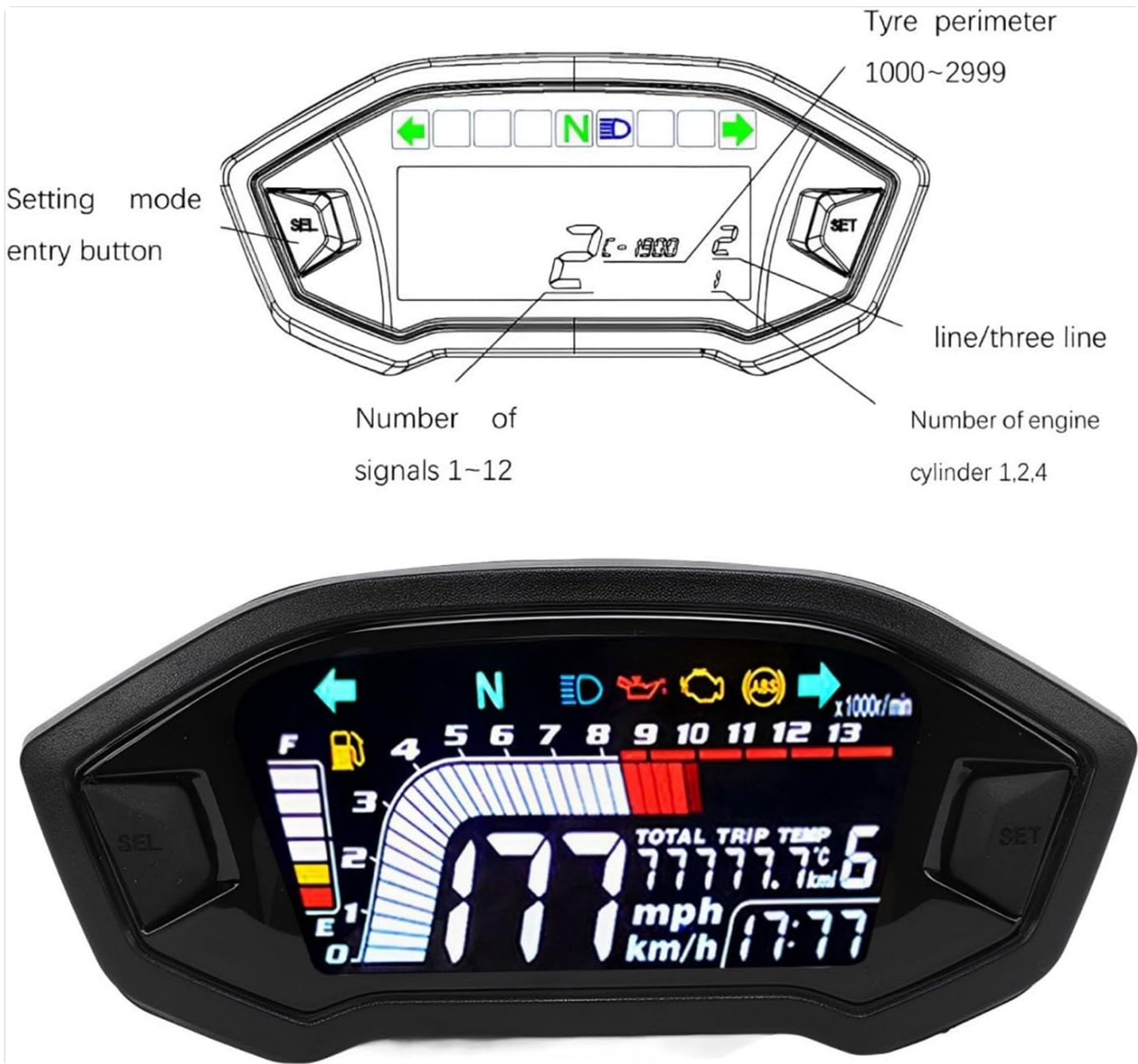


Image: Diagram illustrating the settings for tire perimeter, number of signals (magnets), and engine cylinder type on the Akozon digital speedometer.

Installation and Settings Video Guide

For a visual guide on installation and initial settings, please watch the official video below:

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Video: Detailed guide on how to install and configure the digital motorcycle speedometer, including wiring, sensor placement, and menu settings.

OPERATING INSTRUCTIONS

Once installed and configured, your Akozon speedometer is ready for use. The display provides real-time information for your ride.

1. Display Modes

The main display shows speed, RPM, and current gear. Press the 'SEL' button (or similar) to cycle through different display modes, such as total odometer and trip meter. Hold the button to switch between kilometers per hour (km/h) and miles per hour (mph).

Clear and concise design with precise digital display
Quick and accurate access to motorcycle data in both day and
night conditions

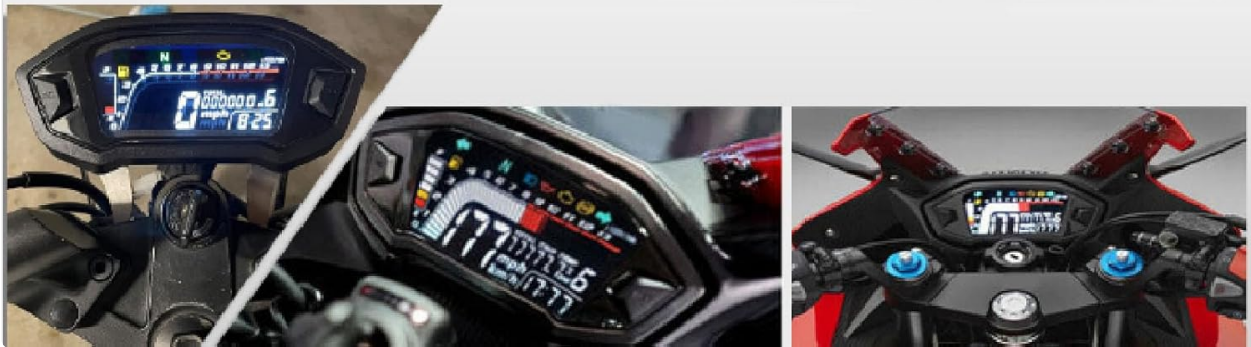


Image: The clear digital display of the Akozon speedometer, showing its readability in various lighting conditions.

2. Indicator Lights

The speedometer features various indicator lights for essential motorcycle functions:

- **Neutral (N):** Illuminates when the transmission is in neutral.
- **Turn Signals:** Flashes to indicate left or right turn.
- **High Beam:** Illuminates when high beam headlights are active.
- **Fuel Level:** Indicates the current fuel level.

MAINTENANCE

To ensure the longevity and optimal performance of your Akozon speedometer, follow these maintenance guidelines:

- **Regular Cleaning:** Wipe the display screen and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the plastic.
- **Wiring Inspection:** Periodically check all wiring connections for tightness and signs of wear or corrosion.

Secure any loose connections.

- **Sensor Check:** Ensure the speed sensor and magnets are clean and properly aligned. Verify the gap between the sensor and magnets remains consistent.
- **Environmental Protection:** While designed for harsh environments, prolonged exposure to extreme weather conditions (e.g., heavy rain, direct sunlight) should be minimized when possible.

TROUBLESHOOTING

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

Problem	Possible Cause & Solution
No Power/Display Off	<ul style="list-style-type: none">◦ Check power and ground connections.◦ Verify motorcycle battery voltage (must be DC 8-12V).◦ Inspect fuses.
Inaccurate Speed Reading	<ul style="list-style-type: none">◦ Incorrect tire circumference setting. Recalibrate in settings.◦ Speed sensor or magnets misaligned/damaged. Check and adjust.◦ Incorrect number of magnets set in configuration.
Incorrect RPM Reading	<ul style="list-style-type: none">◦ Incorrect cylinder type setting. Adjust in settings.◦ RPM signal wire not properly connected to ignition coil output.
Gear Indicator Malfunction	<ul style="list-style-type: none">◦ Gear sensor wiring issue. Check connections.◦ Sensor itself may be faulty.
Fuel Gauge Inaccurate	<ul style="list-style-type: none">◦ Incorrect fuel sensor type setting. Adjust in settings.◦ Fuel sensor wiring issue or faulty sensor.

If troubleshooting steps do not resolve the issue, please contact Akozon customer support.

WARRANTY AND SUPPORT

Your Akozon Motorcycle Digital Speedometer Tachometer is covered by a manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included with your purchase for specific terms and conditions, including the warranty period and coverage details.

For technical assistance, troubleshooting guidance, or warranty claims, please contact Akozon customer support through the retailer where you purchased the product or visit the official Akozon website for contact information.

When contacting support, please have your product model number (Akozongob5q417tr-12) and purchase details readily available to expedite the service process.

