VBESTLIFE Vbestlife.4sh81k3pbo

VBESTLIFE Universal 12V DC Digital Motorcycle Speedometer & Tachometer

Model: Vbestlife.4sh81k3pbo

1. Introduction

Thank you for choosing the VBESTLIFE Universal 12V DC Digital Motorcycle Speedometer and Tachometer. This device is designed to provide essential riding information with a clear, waterproof LED digital display. It integrates a speedometer, tachometer, oil level meter, and voltmeter, making it a comprehensive solution for various motorcycles. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your product.

2. Product Features

- **Universal Compatibility:** Designed for most 12V DC motorcycles.
- **Waterproof Design:** Ensures reliable performance in various weather conditions.
- **LED Digital Display:** Provides clear and bright readings for speed, RPM, and other indicators.
- **Multi-Functionality:** Integrates speedometer, tachometer, oil level meter, and voltmeter.
- **Integrated Odometer & Trip Meter:** Tracks total distance and trip-specific distance.
- **Adjustable Settings:** Customizable parameters for tire circumference, cylinder type, and fuel sensor.

3. Package Contents

Please check the package for the following items:

- 1x VBESTLIFE Motorcycle Speedometer Unit
- 1x Mounting Bracket
- 1x Speed Sensor

- 2x Magnets
- 1x Wiring Harness
- 1x Instruction Manual (this document)

4. Safety Information

To prevent injury or damage to the product, please observe the following safety precautions:

- Always disconnect the motorcycle battery before beginning any installation or wiring work.
- Ensure all electrical connections are secure and properly insulated to prevent short circuits.
- Professional installation by a qualified technician is highly recommended.
- Do not attempt to modify or disassemble the speedometer unit. This may void the warranty and cause damage.
- Keep the unit away from excessive heat, direct sunlight for prolonged periods, and corrosive substances.

5. Installation

5.1. Mounting the Speedometer Unit

Mount the speedometer unit using the provided bracket. Ensure it is securely fastened and positioned for optimal visibility while riding.



Image: Rear view of the VBESTLIFE motorcycle speedometer, showing the mounting bracket and the wiring harness extending from the back.



Image: Front view of the speedometer, displaying the unit with its attached wiring harness.

5.2. Wiring Connections

Connect the wiring harness to your motorcycle's electrical system. Refer to the following general wiring guide. It is highly recommended to consult a professional for wiring if you are unsure.

- **Red Wire:** Positive (+) power supply (usually connected to ignition switch).
- **Black Wire:** Negative (-) ground connection.
- **Green Wire:** Speed signal input (connects to the speed sensor).
- **Blue Wire:** RPM signal input (connects to the ignition coil or ECU).
- **Other Wires:** May include connections for indicator lights (turn signals, high beam, neutral), fuel level sensor, etc. Refer to your motorcycle's specific wiring diagram for these connections.



Image: A detailed view of the speedometer's wiring harness, showing the individual colored wires for connection.

5.3. Speed Sensor Installation

Install the speed sensor and magnets on your motorcycle's wheel. The sensor detects the rotation of the magnets to calculate speed. Ensure the sensor is securely mounted and aligned with the magnets for accurate readings.



Image: A close-up showing the speed sensor mounted near the wheel, with magnets attached to the wheel for speed detection.

5.4. Installation Video Guide

For a visual guide on installation and initial setup, please watch the following video:

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Video: A detailed guide on how to install the digital motorcycle speedometer, including wiring and initial configuration steps.

6. Initial Setup

After installation, you may need to configure the speedometer settings for accurate readings. Use the button on the unit to navigate and adjust settings.

6.1. Accessing the Settings Menu

To enter the settings menu, turn the ignition ON while simultaneously pressing and holding the button on the speedometer. Continue holding until the settings menu appears.

6.2. Adjusting Settings

- **Tire Circumference (C-xxx):** This setting calibrates the speedometer to your wheel size. Use the button to adjust the value to match your tire's circumference in millimeters.
- **Number of Magnets (P-x):** Set this value to the number of magnets installed on your wheel for the speed sensor.
- **Cylinder Type (2 or 4 stroke):** Select the appropriate cylinder setting for your motorcycle's engine (e.g., 2 for a single-cylinder engine).
- **Fuel Sensor Type (E-x):** Configure this setting to match your motorcycle's fuel level sensor type for accurate fuel gauge readings.
- **Odometer Reset:** If needed, you can reset the odometer through the settings menu.

The installation video in Section 5.4 also demonstrates how to navigate and adjust these settings.

7. Operating Instructions

Once installed and configured, the speedometer will display real-time information. The button on the unit allows you to switch between different display modes.

7.1. Display Modes

- **Odometer (ODO):** Shows the total distance traveled by the motorcycle.
- **Trip Meter (TRIP):** Displays the distance traveled for the current trip. This can usually be reset.
- **Speed (KM/H or MPH):** Indicates the current riding speed.
- **RPM:** Shows the engine's revolutions per minute.
- **Fuel Level:** Displays the current fuel level.
- **Voltage:** Shows the motorcycle's battery voltage.

7.2. Switching Units (KM/H vs. MPH)

To switch between kilometers per hour (KM/H) and miles per hour (MPH), navigate to the odometer screen and press and hold the button until the unit changes.

7.3. Display in Action

Observe the speedometer's display and functionality in the following video:

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Video: Demonstrates the VBESTLIFE Universal Motorcycle LED Digital Speedometer in operation, showcasing its various display modes and responsiveness.

8. Maintenance

- **Cleaning:** Clean the display screen and unit housing with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the surface.
- **Connection Check:** Periodically inspect all wiring connections to ensure they remain secure and free from corrosion.
- **Sensor Check:** Verify that the speed sensor and magnets are clean and properly aligned.

9. Troubleshooting

- **Display Not Turning On:**
  - Check the power (red wire) and ground (black wire) connections.
  - Ensure the motorcycle battery has sufficient charge.
  - Verify any inline fuses are intact.
- **Incorrect Speed Reading:**
  - Confirm the tire circumference setting (C-xxx) is correct for your wheel.
  - Verify the number of magnets (P-x) is correctly set.
  - Check the speed sensor installation and ensure it is properly aligned with the magnets.
- **Tachometer Not Working:**
  - Ensure the RPM signal wire (blue wire) is correctly connected to the ignition coil or ECU.
  - Verify the cylinder type setting is accurate for your engine.
- **Fuel Gauge Inaccurate:**
  - Check the fuel sensor type setting (E-x) in the menu.
  - Ensure the fuel sensor wire is properly connected.
- **Cannot Switch Between KM/H and MPH:**
  - Ensure you are on the odometer screen. Press and hold the button for several seconds until the unit changes. If it does not change, re-enter the settings menu to verify if there's a specific setting for this.

10. Specifications

Feature	Specification
Brand	VBESTLIFE
Model Number	Vbestlife.4sh81k3pbo
Material	Metal
Item Weight	260 g (0.26 Kilograms)
Product Dimensions (L x W x H)	9 x 9 x 9 cm
Item Package Quantity	1
Batteries Included?	No
Batteries Required?	No
UPC	719233655337

11. Warranty and Support

Specific warranty information for this product is not provided in the available data. For warranty claims, technical support, or any product-related inquiries, please contact the seller or manufacturer directly through your purchase platform. Keep your proof of purchase for any support requests.