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› Keenso 66mm Universal Digital LED Motorcycle Speedometer Odometer Tachometer Instruction Manual

Keenso Keensoagnmpxve4w

# Keenso 66mm Universal Digital LED Motorcycle Speedometer Odometer Tachometer Instruction Manual

## 1. INTRODUCTION

Thank you for choosing the Keenso 66mm Universal Digital LED Motorcycle Speedometer Odometer Tachometer. This manual provides essential information for the proper installation, operation, and maintenance of your new device. Please read these instructions carefully before use to ensure optimal performance and safety.

### Safety Precautions:

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

## 2. PRODUCT OVERVIEW

The Keenso 66mm Universal Digital LED Motorcycle Speedometer Odometer Tachometer is a multi-functional instrument designed for motorcycles with a 12V power supply. It features a clear digital display with backlight for easy readability in various lighting conditions.



Figure 2.1: A front view of the Keenso 66mm Universal Digital LED Motorcycle Speedometer Odometer Tachometer, showcasing its compact black casing and illuminated digital display.

### Key Features:

- **Universal Compatibility:** Designed for all motorcycles with a 12V DC power supply.
- **Multi-function Display:** Integrates speedometer, odometer, tachometer, and fuel gauge.
- **Clear LED Backlight:** Anti-glare clear lens with LED backlight ensures visibility in all conditions.
- **Durable Construction:** High-quality metal shell provides waterproof protection and resistance to minor collisions.
- **Easy Installation:** Comes with a mounting bracket for simplified setup.



Figure 2.2: A close-up of the digital display, clearly labeling the Tachometer (x1000r/min), Speedometer (MPH/km/h), Odometer (TRIP/ODO), and Fuel Gauge (E-F) sections.

### 3. SPECIFICATIONS

# Product Specification



Condition: 100% Brand New

Material: Plastic and Metal

Shell Color: Black

Lens Color: Clear

**Voltage: 12V DC**

Measurement Range: 0-160km/h

Unit: KM/H

Diameter: 66mm/2.6in

Height: 57mm/ 2.2in

Mount Bracket Length: 72mm/2.8in

Distance Between Two Mount Screws: 45mm/1.8in

Cable Length: 34cm/13.4in

Package Weight: Approx.274g

Fitment: Universal for all motorcycles with 12V power supply

Figure 3.1: A diagram illustrating the dimensions of the speedometer, including its 66mm diameter, 57mm height, 34cm cable length, and 72mm mount bracket length. A table below provides key specifications such as material, voltage, measurement range, and fitment.

Specification	Value
Brand	Keenso
Model Number	Keensoagnmpxve4w
Material	Metal
Shell Color	Black
Lens Color	Clear
Voltage	12V DC
Measurement Range	0-160 km/h
Unit	KM/H

Specification	Value
Diameter	66mm / 2.6in
Height	57mm / 2.2in
Mount Bracket Length	72mm / 2.8in
Distance Between Two Mount Screws	45mm / 1.8in
Cable Length	34cm / 13.4in
Package Weight	Approx. 274g
Fitment	Universal for all motorcycles with 12V power supply
Product Dimensions (L x W x H)	9 x 9 x 9 cm

## 4. SETUP AND INSTALLATION

This speedometer is designed for straightforward installation. Follow these steps carefully:



Figure 4.1: This image details the rear of the speedometer, highlighting the clear lens with backlight, the high-quality plastic and metal waterproof shell, and the color-coded wiring connections for power, black light display, oil level display, and tachometer display.

## Installation Steps:

- Mounting:** Securely attach the speedometer to your motorcycle using the provided mounting bracket. Ensure it is positioned for clear visibility and does not obstruct other controls.
- Wiring Connections:** Connect the wires according to the diagram below. It is crucial to match the wire functions correctly to avoid damage.

## Wiring Diagram:

- Full Black Wire:** Positive Pole - Power Cable
- Green Wire:** Negative Pole - Black Light Display (Ground)
- Blue/White Wire:** Positive Pole - Oil Level Display
- Black/Red Wire:** Positive Pole - Tachometer Display

After connecting all wires, ensure they are properly insulated and secured to prevent any accidental disconnections or short circuits during operation.

## 5. OPERATING INSTRUCTIONS

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Once installed and powered, the speedometer will display various information on its digital screen.



Figure 5.1: Two views of the speedometer display: one in bright conditions showing the clear digital readout, and another in low light demonstrating the bright, anti-glare LED backlight.

## Display Functions:

- **Speedometer:** Displays current speed in km/h.
- **Odometer (ODO):** Shows the total distance traveled.
- **Trip Meter (TRIP):** Displays the distance traveled for a single trip, which can be reset.
- **Tachometer:** Indicates engine RPM (revolutions per minute) in x1000r/min.
- **Fuel Gauge:** Shows the current fuel level (E for Empty, F for Full).

## Backlight Color Adjustment:

The backlight color can be changed. To adjust the backlight color, press and hold the button located on the rear of the unit until the color changes to your desired setting.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your Keenso speedometer, follow these simple

maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the display and casing. Avoid abrasive cleaners or solvents that could damage the surface.
- **Waterproof Design:** The metal shell is designed to be waterproof and resistant to light collisions. However, avoid submerging the unit in water or exposing it to high-pressure water jets.
- **Regular Checks:** Periodically check all wiring connections to ensure they remain secure and free from corrosion.

## 7. TROUBLESHOOTING

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

- **No Display/Power:**
  - Check all power connections (Full Black wire for positive, Green wire for negative).
  - Ensure the motorcycle's 12V power supply is active.
  - Check for any blown fuses in the motorcycle's electrical system.
- **Inaccurate Speed/Tachometer Reading:**
  - Verify the Black/Red wire connection for the tachometer signal is correct and secure.
  - Ensure the speedometer sensor (if external) is properly installed and calibrated according to your motorcycle's specifications.
  - Some users have reported needing to adjust the tachometer for accuracy; this may require specific calibration steps not detailed in this general manual, or consultation with a technician.
- **Fuel Gauge Malfunction:**
  - Check the Blue/White wire connection to the oil level sensor.
  - Ensure the motorcycle's fuel level sensor is functioning correctly.
- **Display Flickering or Irregularities:**
  - Check for loose wiring connections.
  - Ensure stable 12V DC power supply.

If the problem persists after attempting these troubleshooting steps, please contact customer support.

## 8. WARRANTY AND SUPPORT

Keenso stands behind the quality of its products. This speedometer comes with a 100% product guarantee. If you experience any issues or have questions regarding your Keenso 66mm Universal Digital LED Motorcycle Speedometer Odometer Tachometer, please do not hesitate to contact our customer service team via email. We are committed to providing the best customer service and will respond to your inquiries within 24 hours. For support, please refer to the contact information provided with your purchase or visit the official Keenso store page.