Keenso 4350329416

Keenso 12V DC Universal Motorcycle Digital Speedometer Instruction Manual

Model: 4350329416

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Keenso 12V DC Universal Motorcycle Digital Speedometer. This device integrates a speedometer, tachometer, speed gauge, oil level meter, and voltmeter into a single unit, designed for universal application on 12V DC motorcycles.



Image Description: A three-quarter view of the Keenso Digital Motorcycle Speedometer, showcasing its black casing and bright blue LED display. The display shows numerical speed, RPM arc, mileage, and a fuel gauge icon. Wires extend from the bottom of the unit.

Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Safety Information

- **Electrical Safety:** Ensure the motorcycle's power is disconnected before attempting any installation or wiring. Incorrect wiring can cause damage to the device or the motorcycle's electrical system.
- **Professional Installation:** If you are unfamiliar with motorcycle electrical systems, professional installation is recommended.
- **Operating Voltage:** This device is designed for 12V DC systems only. Do not connect to other voltage sources.
- **Water Resistance:** The unit features a waterproof metal shell, but avoid submerging it in water or exposing it to high-pressure water jets.
- **Visibility:** Ensure the speedometer is mounted in a position that does not obstruct your view of the road or interfere with motorcycle controls.

3. Product Overview

The Keenso Digital Motorcycle Speedometer is a compact, multi-functional gauge designed to provide essential riding information. It features a clear LED backlight display for visibility in various lighting conditions.

3.1 Key Features

- Digital Speedometer (MPH/km/h)
- Tachometer (RPM)
- Oil Level Meter
- Voltmeter
- LED Backlight with Anti-Glare Lens
- Waterproof and Anti-collision Metal Shell
- Universal 12V DC Compatibility

3.2 Package Contents

- 1 x Keenso Digital Motorcycle Speedometer
- 1 x Mounting Bracket
- 1 x Instruction Manual (this document)

3.3 Product Dimensions



Image Description: A side view of the Keenso Digital Motorcycle Speedometer with key dimensions indicated. The diameter is 66mm (2.6 inches), height is 57mm (2.2 inches), and the mounting bracket extends 45mm (1.8 inches) from the back. The cable length is 34cm (13 inches).

The speedometer measures approximately 3.54 x 3.54 x 3.54 inches (L x W x H) and weighs 7.2 ounces.

4. Setup and Installation

Before installation, ensure your motorcycle's ignition is off and the battery is disconnected.

4.1 Wiring Diagram

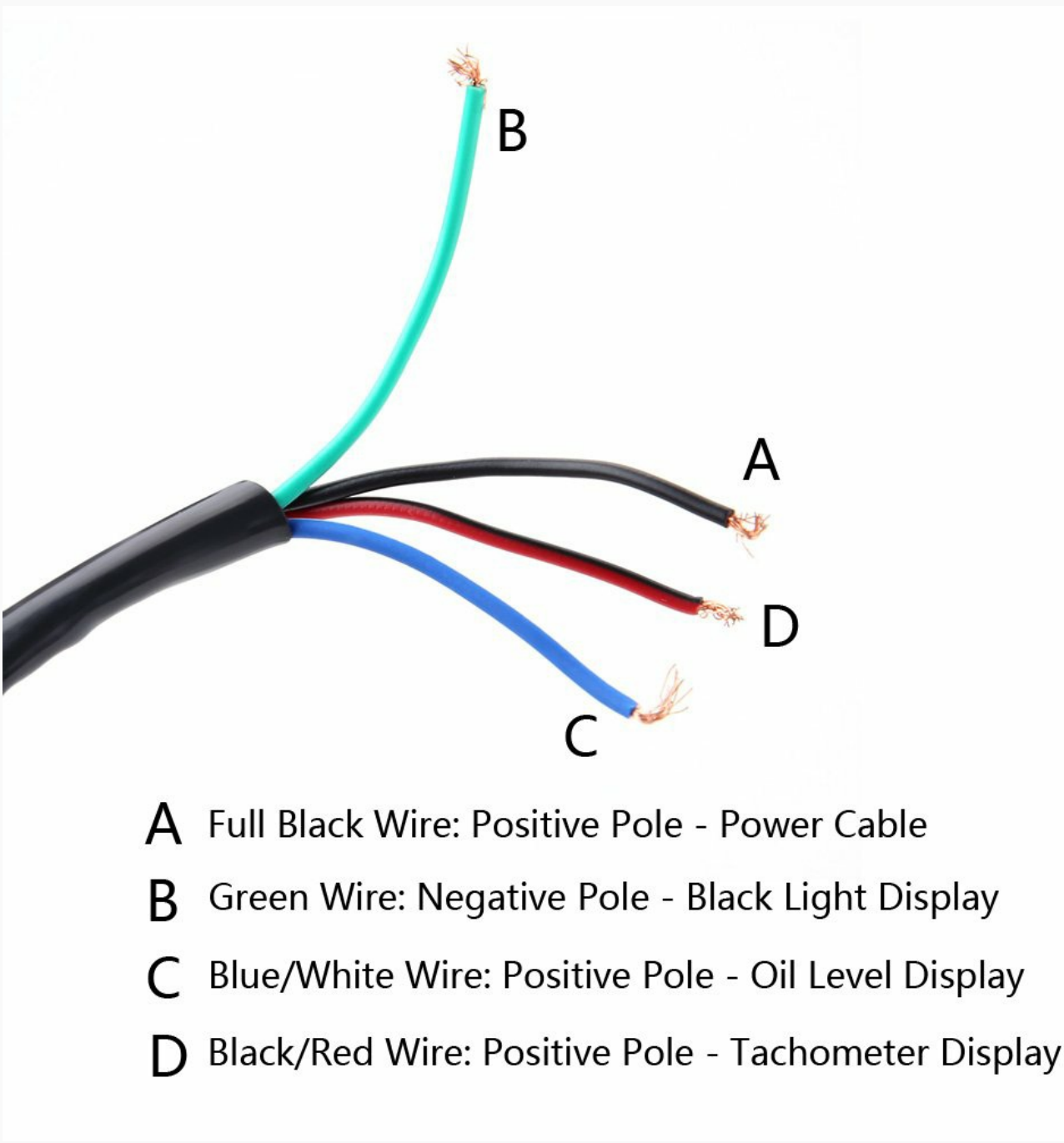


Image Description: A close-up view of the wiring harness for the Keenso Digital Motorcycle Speedometer, showing four colored wires labeled A, B, C, and D. Each wire is identified with its function: A (Full Black Wire) is Positive Pole - Power Cable, B (Green Wire) is Negative Pole - Black Light Display, C (Blue/White Wire) is Positive Pole - Oil Level Display, and D (Black/Red Wire) is Positive Pole - Tachometer Display.

Refer to the following table for wiring connections:

Wire Color	Function
Full Black Wire (A)	Positive Pole - Main Power Cable (Connect to 12V DC ignition switched power)
Green Wire (B)	Negative Pole - Ground / Black Light Display (Connect to motorcycle chassis ground)
Blue/White Wire (C)	Positive Pole - Oil Level Display (Connect to oil level sensor signal wire)
Black/Red Wire (D)	Positive Pole - Tachometer Display (Connect to ignition coil signal wire)

4.2 Mounting the Speedometer

1. Select a suitable location on your motorcycle's handlebars or dashboard that provides clear visibility and does not

obstruct controls.

2. Use the provided mounting bracket to securely attach the speedometer. Ensure all bolts are tightened to prevent vibration-induced damage.
3. Route the wiring harness safely, away from hot engine parts or moving components, and secure it with cable ties.



Image Description: A rear view of the Keenso Digital Motorcycle Speedometer, highlighting the mounting bolt and the exit point of the wiring harness. This view shows how the unit attaches to its bracket.

5. Operating Instructions

After successful installation, reconnect the motorcycle battery and turn on the ignition.

5.1 Initial Power-On

Upon first power-on, the speedometer will perform a self-test, and the display will illuminate. The default unit for speed may be kilometers per hour (km/h).



Image Description: A direct front view of the Keenso Digital Motorcycle Speedometer, showing its blue LED display. The display shows a large '188' in the center, 'x1000r/min' for tachometer, 'MPH' and 'km/h' indicators, 'TRIP' and 'ODO' for mileage, and a fuel level gauge at the bottom.

5.2 Changing Speed Units (MPH/km/h)

To switch between Miles Per Hour (MPH) and Kilometers Per Hour (km/h):

1. Ensure the motorcycle ignition is **OFF**.
2. Locate the small button on the back of the speedometer unit.
3. **Press and hold** this button.
4. While holding the button, turn the motorcycle ignition **ON**.
5. The display should show "P0000". The rightmost digit will be blinking.
6. **Short press** the button to cycle through digits. Adjust the digits to set the wheel circumference and pulse settings. *(Note: Specific values for wheel circumference and pulse settings may vary. Consult your motorcycle's specifications or a professional for accurate calibration. A common setting for MPH conversion might involve setting*

specific values like "166" for the speed calibration.)

7. After setting the desired values, **short press** the button until the display shows "1001" (for km/h) or "1002" (for MPH).
8. Turn the ignition **OFF**, then **ON** again to save the setting. The speedometer should now display the selected unit.

Note: *The exact sequence for setting MPH/km/h and calibration may require specific pulse counts or wheel circumference inputs. Refer to community forums or a qualified technician if precise calibration is needed. Some users have reported success with specific sequences like setting "166" for speed calibration and then selecting "1002" for MPH.*

5.3 Reading the Display

- **Speed:** Large central digits indicate current speed.
- **Tachometer:** The arc around the top indicates engine RPM (x1000r/min).
- **Oil Level:** The fuel gauge icon at the bottom indicates the approximate oil level.
- **Mileage:** "TRIP" displays trip distance, "ODO" displays total odometer reading.
- **Voltmeter:** The voltage is displayed as part of the main numerical readout, often cycling with other information or accessible via a button press (if available).



Image Description: The Keenso Digital Motorcycle Speedometer is shown mounted on a motorcycle's dashboard, displaying its bright blue LED screen. A motorcycle rider is visible in the background on a road, illustrating the product in its operational environment. The image emphasizes the clear visibility of the display.

6. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the display and casing. Avoid abrasive cleaners or solvents that could damage the plastic lens or finish.
- **Inspection:** Periodically check all wiring connections to ensure they are secure and free from corrosion. Inspect the mounting bracket for tightness.
- **Environmental Protection:** While waterproof, prolonged exposure to extreme weather conditions (e.g., heavy rain, direct sunlight for extended periods) should be minimized to extend product lifespan.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No display/No power	Loose or incorrect power connection (Black wire A). Blown fuse.	Check the main power wire (Black A) for secure connection to 12V DC. Verify ground connection (Green B). Check motorcycle's fuse box.
Speedometer not working	Incorrect speed sensor connection or faulty sensor. Calibration issue.	Ensure the speed signal wire is correctly connected. Recalibrate the speedometer as per Section 5.2.
Tachometer not working or erratic	Incorrect tachometer signal connection (Black/Red wire D). Interference.	Verify the Black/Red wire (D) is securely connected to the ignition coil signal. Consider adding a resistor in line if the signal is too strong or erratic (consult a professional).
Oil level display inaccurate or not working	Incorrect oil level sensor connection (Blue/White wire C). Faulty sensor.	Check the Blue/White wire (C) connection to the oil level sensor. Ensure the sensor itself is functioning correctly.
Display difficult to read	Excessive glare. Backlight issue.	Adjust mounting angle to reduce glare. Ensure the green wire (B) is properly grounded for backlight function.

8. Specifications

Feature	Detail
Brand	Keenso
Model Number	4350329416
Material	Metal Shell
Operating Voltage	12V DC
Product Dimensions (L x W x H)	3.54 x 3.54 x 3.54 inches
Item Weight	7.2 Ounces
Display Type	Digital LED Backlight
Functions	Speedometer, Tachometer, Oil Level Meter, Voltmeter

9. Warranty and Support

Keenso provides professional, premium aftermarket replacement products. For any issues or inquiries regarding this product, please contact Keenso customer service. We are committed to providing excellent customer service and satisfaction.
For support, please refer to the contact information provided with your purchase or visit the official Keenso store online.

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Question

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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