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› MAIMEIMI Universal Digital Motorcycle Gauge Cluster Instruction Manual

MAIMEIMI MT0085+MT0069-M040-Sensor

MAIMEIMI Universal Digital Motorcycle Gauge Cluster Instruction Manual

Model: MT0085+MT0069-M040-Sensor

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MAIMEIMI Universal Digital Motorcycle Gauge Cluster. This multi-functional instrument is designed to provide comprehensive data monitoring for your motorcycle, ensuring a safer and more informed riding experience.

The gauge cluster integrates several key functions including a speedometer, tachometer, odometer, gear indicator, and oil level meter. Additionally, it features indicators for left/right turn signals, high beam, position lights, and neutral (N) gear.

Constructed from high-quality ABS material, the unit is durable, shock-proof, and waterproof, allowing for reliable performance even in adverse weather conditions. The anti-glare LCD screen ensures clear data visibility regardless of ambient light intensity.



Figure 1: MAIMEIMI Universal Digital Motorcycle Gauge Cluster with included speed sensor and magnets.

Function Upgrade! - More comprehensive!

✓ New Functions - Data monitoring is more comprehensive and detailed

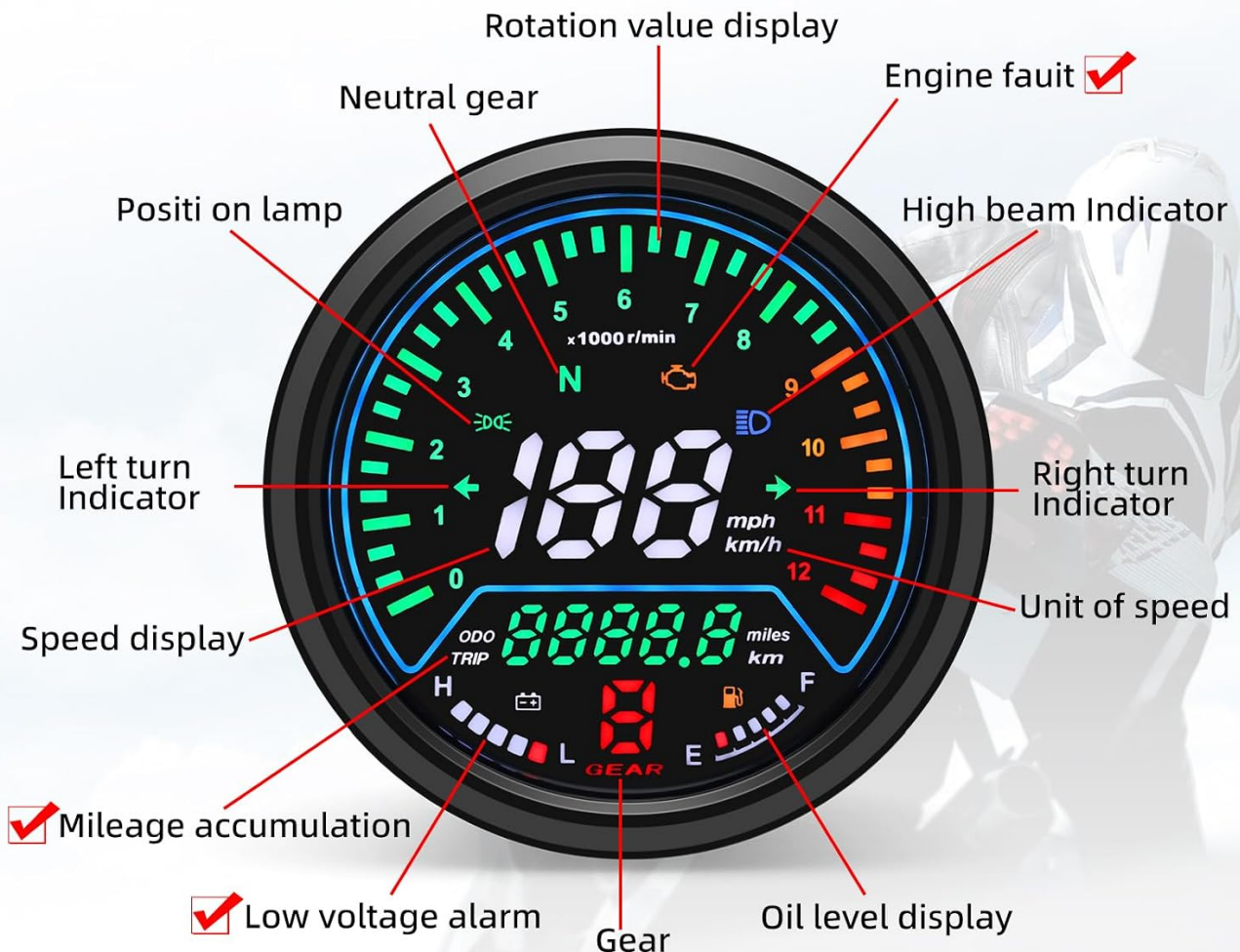


Figure 2: Labeled functions and indicators on the gauge cluster display.

2. SETUP AND INSTALLATION

2.1 Package Contents

Upon receiving your MAIMEIMI Digital Motorcycle Gauge Cluster, please verify that all accessories are present:

- Digital Motorcycle Speedometer x 1
- Magnetic Steel x 2
- Sensor Cable x 1
- Instruction Manual x 1

2.2 Wiring Diagram

Refer to the following diagram and table for correct wiring connections. Ensure all connections are secure before powering on the device.



Figure 3: Wiring diagram for the MAIMEIMI Digital Motorcycle Gauge Cluster.

Wiring Connections

Wire Color	Function	Signal Type
Orange	Left Turn Signal	Positive Signal
Brown	Low Beam	Positive Signal
Light Blue	Right Turn Signal	Positive Signal
Green	Positive Power Supply	Positive Signal
Black	Negative Power Supply	Negative Signal
Purple	Electronic Fuel Injection	Signal
Black/Red	Speed Signal	Signal
Blue	High Beam	Positive Signal

Wire Color	Function	Signal Type
Blue/White	Oil Quantity Signal	Signal

2.3 Important Notes for Installation

- This speedometer is compatible with most 4-stroke, 2/4-cylinder motorcycles. The default setting is 1-cylinder.
- The unit operates within an 8-18V range, with a rated voltage of 12V DC.
- Fuel sensor compatibility: Supports 2-wire sensors (0-100 ohms) and 3-wire fuel quantity sensors (0-500 ohms).
- The meter output speed voltage is 7-8V.
- Please confirm your motorcycle model's specifications before installation to ensure compatibility.

3. OPERATING INSTRUCTIONS

The MAIMEIMI Digital Motorcycle Gauge Cluster features a single button for easy navigation and setting adjustments.

3.1 Button Functions



Turn Signal Light	Positive Signal
Neutral Gear	Negative Signal
Engine (EFI System)	Negative Signal
Position Light / Width Light	Positive Signal
High Beam Light	Positive Signal
Gear Position	Negative Signal

I. Button Functions

1. Total/Subtotal Toggle

- Short press the bottom button: Switch between ODO (Total) and TRIP (Subtotal)

2. Subtotal Reset

- Steps: Enter TRIP interface → Long press button for 3 seconds to reset

3. Metric/Imperial Switch

- Steps: In ODO interface → Long press button for 5 seconds to toggle units (km/mile)

II. Parameter Settings

1. Enter Setup Mode

- Steps: Power off → Hold button while powering on → Screen shows CCC--- → Input password 666 (Short press changes value, long press moves cursor)

2. Cylinder Number Adjustment

- Display: Y2 in speed area (2 indicates 2 cylinders, 16.6Hz = RPM signal frequency)
- Operation: Short press to modify, long press to navigate

3. Oil Sensor Type

- Display: 1 in gear position area (1 = two-wire oil level sensor)
- Operation: Short press to toggle type, long press to confirm

4. Speed Calibration

- Display: F34.0 in cumulative speed area (F = frequency coefficient, 34.0 = base value)
- Rule: Value↑ → Actual speed↑, Value↓ → Actual speed↓
- Operation: Short press adjusts value, long press saves & reboots

Figure 4: Button functions and parameter settings overview.

- **Total/Subtotal Toggle:** Short press the button to switch between ODO (Total mileage) and TRIP (Subtotal mileage).
- **Subtotal Reset:** While in TRIP interface, long press the button for 3 seconds to reset the subtotal mileage.
- **Metric/Imperial Switch:** While in ODO mode, long press the button for 5 seconds to toggle between kilometers (km) and miles (mi).

3.2 Parameter Settings

To access and adjust advanced parameters, follow these steps:

1. Enter Setup Mode:

- Power off the unit.
- Hold the button while powering on. The screen will display "CCC---".
- Input password "666". Short presses change the value, long presses move the cursor.

2. Cylinder Number Adjustment:

- Display: "Y2" in the speed area indicates 2 cylinders (16.6Hz = RPM signal frequency).
- Operation: Short press to modify the value, long press to navigate to the next setting.

3. Oil Sensor Type:

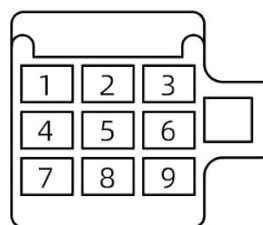
- Display: "1" in the gear position area (1 = two-wire oil level sensor).
- Operation: Short press to toggle the type, long press to confirm.

4. Speed Calibration:

- Display: "F34.0" in the cumulative speed area (F = frequency coefficient, 34.0 = base value).
- Rule: Value↑ ↔ Actual speed↑, Value↓ ↔ Actual speed↓.
- Operation: Short press adjusts the value, long press saves and reboots the unit.

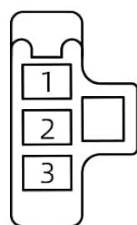
3.3 Display Features

The anti-glare LCD ensures optimal readability in various lighting conditions, from bright daylight to complete darkness.

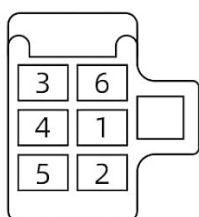


Speed sensor:
Blue: Negative (-)
Brown: Positive (+)
Black: Signal (Output)

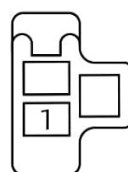
- | | |
|---------------|---------------------------|
| 1. orange | Turn left |
| 2. Brown | Low beam |
| 3. Light Blue | Turn right |
| 4. green | Positive power supply |
| 5. black | Negative power supply |
| 6. Purple | Electronic fuel injection |
| 7. Black/Red | Speed signal |
| 8. blue | High beam |
| 9. Blue/White | Oil quantity signal |



- | | |
|----------------|----------------------------|
| 1. white | Speed sensor positive pole |
| 2. green | Speed sensor negative pole |
| 3. Black/White | sensor signal |



- | | |
|-----------------|--------|
| 1. Blue/Red | 1 gear |
| 2. Blue/Black | 2 gear |
| 3. Blue/Yellow | 3 gear |
| 4. Red/White | 4 gear |
| 5. Brown/Yellow | 5 gear |
| 6. Green/Red | N gear |



- | | |
|---------------|--------|
| 1. Red/Yellow | 6 gear |
|---------------|--------|

Figure 5: Display visibility in daytime and nighttime conditions.

Suitable all kinds of 12V Motorcycle



Figure 6: The gauge cluster is designed to be waterproof for reliable use in rain.

4. MAINTENANCE

To ensure the longevity and optimal performance of your MAIMEIMI Digital Motorcycle Gauge Cluster, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the display and housing. Avoid abrasive cleaners or solvents that could damage the screen or finish.
- **Inspection:** Periodically check all wiring connections for tightness and signs of wear or corrosion. Ensure the speed sensor and magnets are securely mounted.
- **Environmental Protection:** While the unit is waterproof, prolonged exposure to extreme temperatures or direct sunlight when parked should be minimized to prevent potential material degradation.

5. TROUBLESHOOTING

If you encounter issues with your MAIMEIMI Digital Motorcycle Gauge Cluster, consider the following basic

troubleshooting steps:

- **No Power/Display:** Check the power supply connections (Green and Black wires) to ensure they are correctly connected and receiving adequate voltage (8-18V DC). Verify the motorcycle's battery is charged.
- **Incorrect Speed Reading:** Ensure the speed sensor is properly installed and aligned with the magnets. Check the speed signal wire (Black/Red) for continuity. Recalibrate the speed setting as described in Section 3.2.
- **Inaccurate RPM:** Verify the cylinder number setting (Section 3.2) matches your motorcycle's engine configuration. Check the tachometer signal wire connection.
- **Fuel Level Issues:** Confirm the oil sensor type setting (Section 3.2) is correct for your sensor. Inspect the oil quantity signal wire (Blue/White) and the fuel sensor itself.
- **Indicator Lights Not Working:** Check the specific wiring for the affected indicator (e.g., Orange for Left Turn, Blue for High Beam) and ensure the corresponding motorcycle system is functioning correctly.

For persistent issues or problems not covered here, please contact MAIMEIMI customer support for further assistance.

6. SPECIFICATIONS

Detailed technical specifications for the MAIMEIMI Universal Digital Motorcycle Gauge Cluster:

Product Specifications

Feature	Detail
Product Dimensions (L x W x H)	3.66 x 3.66 x 3.03 inches (93 x 77 x 52 mm)
Item Model Number	MT0085+MT0069-M040-Sensor
Manufacturer	MAIMEIMI
Material	Acrylonitrile Butadiene Styrene (ABS), Alloy Steel
Operating Voltage	8-18V DC (Rated 12V DC)
Display Type	Anti-glare LCD
Functions	Speedometer, Tachometer, Odometer, Gear Indicator, Oil Meter, Turn Signals, High Beam, Position Lights, Neutral Light
Compatibility	Universal for 4-stroke, 2/4-cylinder motorcycles



Figure 7: Product dimensions.

7. WARRANTY AND SUPPORT

MAIMEIMI products are designed for reliability and performance. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official MAIMEIMI website.

If you require technical assistance, have questions about installation, or need to report a defect, please contact MAIMEIMI customer support. Provide your product model number (MT0085+MT0069-M040-Sensor) and a detailed description of the issue to facilitate a quicker resolution.

You can typically find contact information for support on the manufacturer's website or through the retailer where the product was purchased.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question

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