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› AUTO METER 2306 Autogage 2.75-inch Mini Tachometer User Manual

## AUTO METER 2306

# AUTO METER 2306 Autogage 2.75-inch Mini Tachometer User Manual

Brand: AUTO METER | Model: 2306

## 1. INTRODUCTION

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This instruction manual provides detailed guidance for the installation, operation, and maintenance of the AUTO METER 2306 Autogage 2.75-inch Mini Tachometer. Designed for automotive enthusiasts, this tachometer offers precise RPM monitoring for various vehicle applications. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

### Key Features

- Traditional incandescent lighting illuminates the dial for clear visibility.
- Compatible with 2-4 pulse point ignition signals, suitable for 4-8 cylinder engines.
- Supports electronic and most 12V high-performance racing ignitions.
- Designed for compatibility with both 12-volt and 16-volt electrical systems, making it suitable for a wide range of street and race car electrical setups.



Image 1: Front view of the AUTO METER 2306 Autogage 2.75-inch Mini Tachometer, showcasing its classic white dial and chrome bezel.

## 2. SETUP

### Wiring Diagram

Ensure the vehicle's power is disconnected before beginning any wiring. Incorrect wiring can damage the tachometer or vehicle's electrical system.

- **Red Wire:** Connect to a switched 12V or 16V ignition power source (+). This wire provides power to the tachometer.
- **Black Wire:** Connect to a reliable chassis ground (-). Ensure a clean, secure connection for proper operation.
- **Signal Wire (typically Green or Blue):** Connect to the tachometer signal output from your vehicle's ignition coil, ECU, or dedicated tachometer output. Refer to your vehicle's service manual for the exact signal wire location.
- **Orange Wire:** Connect to a switched 12V or 16V power source for the backlight (+). This can be connected to your vehicle's dash lighting circuit so the tachometer illuminates with your other gauges.

## Installation

The 2.75-inch tachometer requires a mounting hole of approximately 2.875 inches (73mm) in diameter. Choose a location that provides clear visibility and does not obstruct other controls or gauges.

1. Carefully cut a hole in the dashboard or mounting panel using an appropriate hole saw.
2. Insert the tachometer into the mounting hole.
3. Secure the tachometer from the rear using the supplied mounting bracket and hardware. Tighten securely but do not overtighten.
4. Connect the wiring as described in the 'Wiring Diagram' section. Double-check all connections for polarity and security.
5. Reconnect the vehicle's power and test the tachometer's function.

## 3. OPERATING INSTRUCTIONS

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### Powering On

Once properly installed and wired, the tachometer will activate when the vehicle's ignition is turned on. The needle will sweep to its maximum reading and return to zero, indicating a successful power-on self-test.

### Backlight Operation

The tachometer features traditional incandescent lighting. When the orange backlight wire is connected to your vehicle's dash lighting circuit, the tachometer's dial will illuminate whenever your vehicle's lights are activated.

### Cylinder Count Setting

The AUTO METER 2306 is compatible with 2-4 pulse ignition signals, corresponding to 4-8 cylinder engines. The tachometer is typically factory-set for common applications. If adjustment is needed for your specific engine configuration, refer to the detailed instructions provided in the separate installation sheet that came with your product, or consult the AUTO METER official website for specific programming procedures. This usually involves a small button or dip switches on the back of the unit to select the correct cylinder count (e.g., 4, 6, or 8 cylinders).

## 4. MAINTENANCE

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The AUTO METER 2306 Autogage Mini Tachometer is designed for durability and requires minimal maintenance.

- **Cleaning:** Use a soft, damp cloth to clean the gauge face and bezel. Avoid abrasive cleaners or solvents, as these can damage the finish or clear lens.
- **Inspection:** Periodically check all wiring connections to ensure they remain secure and free from corrosion.
- **Storage:** If the vehicle is to be stored for an extended period, ensure the electrical system is properly maintained or disconnected to prevent battery drain.

## 5. TROUBLESHOOTING

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If you experience issues with your tachometer, consult the following table for common problems and solutions.

Problem	Possible Cause	Solution
Tachometer does not power on.	No power to red wire, poor ground connection, blown fuse.	Check 12V/16V power connection, verify ground, inspect vehicle's fuse box.
Tachometer reads inaccurately or erratically.	Incorrect cylinder count setting, poor signal connection, interference.	Verify cylinder count setting, check signal wire connection, ensure signal wire is routed away from high-voltage cables.
Backlight does not illuminate.	No power to orange wire, faulty bulb (if replaceable), poor connection.	Check power to orange wire, verify connection to dash lighting circuit.
Needle sticks or moves slowly.	Mechanical obstruction, internal fault.	Ensure no physical obstruction. If problem persists, contact support.

## 6. SPECIFICATIONS

Specification	Detail
Brand	AUTO METER
Model Number	2306
Product Type	Tachometer
Material	Plastic
Item Weight	0.5 Pounds (approx. 227 grams)
GTIN (Global Trade Identification Number)	046074023064
ASIN	B0009SS6GS
Voltage Compatibility	12V and 16V electrical systems
Ignition Compatibility	2-4 pulse point ignition signals (4-8 cylinder engines), electronic, and most 12V high-performance racing ignitions
Backlight Type	Traditional incandescent

## 7. WARRANTY AND SUPPORT

AUTO METER products are manufactured to the highest quality standards. This product is covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official AUTO METER website.

For technical assistance, troubleshooting, or warranty claims, please contact AUTO METER customer support through their official website or the contact information provided in your product packaging. When contacting support, please have your product model number (2306) and purchase information readily available.

