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Docooler K975

Docooler Digital Tachometer K975 Instruction Manual

Model: K975



1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Docooler Digital Tachometer K975. This 52mm (2-inch) LCD gauge is designed for automotive applications, providing accurate engine RPM readings from 0 to 9999 RPM with an integrated warning light feature. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT FEATURES

- Diameter: 52mm (2 inches)
- Power: DC 10-15V (12V Professional)
- Display: Blue Digital LED Readout
- Measurement Range: 0-9999 RPM
- Warning Point: Activates at 5000 RPM
- High accuracy and easy operation
- Comes with installation instructions

3. SPECIFICATIONS

Unit	RPM
Measurement Range	0~9999 RPM
Warning Point	5000 RPM
Power	12V DC, Max. 0.3A
LCD Size	Approx. 52mm / 2 inches
Tachometer Size (Dia.*H)	5.7 x 5.5 cm / 2.2 x 2.2 inches
Overall Dimensions (L x W x H)	17 x 12 x 7.8 cm / 6.7 x 4.7 x 3.1 inches

Color	Black
Material	Plastic
Model Number	K975
UPC	519752202711

4. PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and undamaged:

- 1x Docooler Digital Tachometer K975

Note: Additional mounting hardware or wiring may be included depending on the specific kit. Refer to the packaging for a complete list.

5. SETUP AND INSTALLATION

Installation of the Docooler Digital Tachometer K975 requires basic automotive electrical knowledge. If you are unsure about any steps, it is recommended to seek professional assistance.

5.1 Safety Precautions

- Disconnect the vehicle's battery before starting any electrical work.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Mount the gauge in a location that does not obstruct the driver's view or interfere with vehicle controls.

5.2 Mounting the Tachometer

The tachometer is designed for a 52mm (2-inch) diameter mounting hole. It can be dash-mounted or mounted using the included stand.

1. Choose a suitable, flat surface for mounting.
2. If flush mounting, cut a 52mm diameter hole. If using the stand, secure the stand to the desired location using appropriate fasteners.
3. Insert the tachometer into the mounting location or attach it to the stand.
4. Secure the tachometer firmly in place.



Image shows the front view of the Docooler Digital Tachometer K975. The circular gauge features a black casing and a blue digital LCD screen displaying '0' RPM. Below the RPM reading, 'WARNING' and 'RPM' are visible. The gauge is mounted on a black stand.

5.3 Wiring Instructions

The tachometer typically has three wires for connection:

- **Red Wire:** Connect to a switched 12V DC power source (e.g., ignition switch ACC).
- **Black Wire:** Connect to a reliable vehicle ground point.
- **Green/Yellow/White Wire (Signal):** Connect to the engine's RPM signal wire. This is typically found at the ignition coil negative terminal, ECU tachometer output, or specific engine sensor. Consult your vehicle's service manual for the exact location of the RPM signal wire.

Ensure all connections are soldered or crimped securely and insulated with electrical tape or heat shrink tubing.

6. OPERATING INSTRUCTIONS

Once properly installed and wired, the Docooler Digital Tachometer K975 operates automatically when the vehicle's ignition is turned on.

- **Power On:** When the ignition is turned to the ACC or ON position, the tachometer will power on, and the blue digital LED display will illuminate.
- **RPM Display:** The display will show the current engine RPM in numerical format.
- **Warning Light:** The integrated warning light will activate when the engine RPM reaches or exceeds 5000 RPM. This serves as a visual alert for high engine speeds.

7. MAINTENANCE

The Docooler Digital Tachometer K975 is designed for durability and requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to clean the display and casing. Avoid abrasive cleaners or solvents that could damage the plastic or screen.

- **Connection Check:** Periodically inspect wiring connections to ensure they remain secure and free from corrosion.
- **Environmental Protection:** While designed for automotive use, avoid exposing the gauge to extreme moisture or direct, prolonged sunlight when possible to extend its lifespan.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Tachometer does not power on.	No power to the red wire; poor ground connection.	Check 12V power supply and ground connections. Ensure ignition is on.
Display shows "0" or incorrect RPM.	Incorrect or loose signal wire connection; incompatible signal type.	Verify the signal wire is correctly connected to the RPM source. Ensure the signal source is active. Some vehicles may require a tach adapter.
RPM reading is sluggish or jumps erratically.	Interference in the signal wire; poor signal quality; loose connections.	Ensure signal wire is routed away from high-voltage cables. Check all wiring connections for tightness and proper insulation.
Warning light does not activate at 5000 RPM.	Faulty internal component; incorrect RPM signal.	Verify RPM reading accuracy. If RPM is correct and light still fails, the unit may be faulty.

9. WARRANTY AND SUPPORT

Docooler products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation included with your purchase or contact your retailer. For technical support or inquiries, please visit the official Docooler website or contact their customer service department.

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