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AUTDER AD-808

AUTDER Car Battery Tester and Alternator Tester User Manual

Brand: AUTDER | Model: AD-808

INTRODUCTION

The AUTDER AD-808 is a versatile automotive battery voltage meter designed for comprehensive testing of both 12V and 24V batteries, as well as alternator charging systems. This device provides reliable and accurate readings, ensuring you can monitor the health of your vehicle's power system with ease. Its intuitive design and robust protection features make it an essential tool for car, truck, motorcycle, RV, ATV, SUV, boat, yacht, and mower owners.

WHAT'S IN THE BOX

- AUTDER AD-808 Battery Tester
- Alligator Clamps Cable
- Cigarette Lighter Plug Adapter Cable
- User Manual



Image: The complete package contents of the AUTDER AD-808, showing the main unit, alligator clamps, cigarette lighter adapter, and the user manual.

SETUP

The AD-808 offers two convenient methods for connection: directly to the battery terminals using alligator clamps or via the vehicle's cigarette lighter socket.

Connecting via Alligator Clamps:

1. Ensure the vehicle engine is off.
2. Connect the alligator clamps cable to the AD-808 tester.
3. Attach the **red** positive (+) clamp to the positive battery terminal.
4. Attach the **black** negative (-) clamp to the negative battery terminal.
5. The tester will power on automatically.

Easy Operation

Step 1 – Connect to battery without vehicle running

Step 2 – Read battery status on left side of test

Step 3 – Start vehicle and keep it running

Step 4 – Read alternator status on right side of tester



(Note: Toggle to 24V switch or 12V switch when testing the corresponding battery, keep the middle default position when testing the alternator)

Image: Connecting the AD-808 battery tester directly to a car battery using the provided alligator clamps. The red clamp connects to the positive terminal, and the black clamp connects to the negative terminal.

Connecting via Cigarette Lighter Socket:

1. Connect the cigarette lighter plug adapter cable to the AD-808 tester.
2. Insert the cigarette lighter plug into your vehicle's 12V or 24V power socket.
3. The tester will power on automatically. Note that voltage readings from the cigarette lighter may be slightly lower than direct battery readings due to vehicle circuitry.

2-IN-1

Modes for Vehicle Battery Test



Attach to both the positive and negative battery terminals



Connect to the car's cigarette lighter socket

Image: The AD-808 connected via its cigarette lighter plug adapter, inserted into a car's interior power socket for convenient testing.

OPERATING INSTRUCTIONS

The AD-808 features a simple toggle switch to select between 12V, 24V, and Alternator test modes. The LCD screen displays real-time voltage, while LED indicators provide a quick status overview.

Battery Testing (12V or 24V):

1. Ensure the vehicle engine is off.
2. Connect the AD-808 using either alligator clamps or the cigarette lighter adapter.
3. Use the toggle switch to select the appropriate voltage (12V or 24V) for your battery.
4. The LCD screen will display the real-time battery voltage.
5. Observe the LED indicators on the left side of the tester (FULL, MEDIUM, LOW, EMPTY) to determine the battery's charge status.

Features Display



Image: The AD-808 in use, showing the LCD display indicating voltage and the LED lights illuminating to show the battery's charge level.

Alternator Charging System Analysis:

1. Connect the AD-808 to your vehicle's battery.
2. Start the vehicle engine and let it run.
3. Set the toggle switch to the middle position (Alternator).
4. The LCD screen will display the real-time voltage being supplied by the alternator.
5. Observe the LED indicators on the right side of the tester (HIGH, GOOD, DEAD, REVERSE) to assess the alternator's status.

Applied for all 12V 24V Batteries & Charging Systems



12V



24V



Image: The AD-808 testing the alternator, showing the device connected to the battery while the engine is running, and the display indicating alternator output.

Official Product Videos:

Your browser does not support the video tag.

Video: An official demonstration of the AUTDER Car Battery Tester and Alternator Tester in action, showcasing its features and ease of use for both battery and alternator checks.

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Video: A concise overview of the AUTDER Car Battery Tester, highlighting its key functionalities and compact design for quick and reliable battery assessments.

FEATURES DISPLAY

The AD-808 is equipped with a clear LCD display and multiple LED indicators for easy interpretation of test results.

- **LCD Display:** Shows real-time voltage with high accuracy (close to 0.01V).
- **LED Indication (Battery Status):**
 - **FULL:** Battery in normal condition (12.6-13.5V on a 12V battery).
 - **MEDIUM:** Battery voltage is slightly lower. Charge required.
 - **LOW:** Battery is low. Charge required, buzzer prompt.
 - **EMPTY:** Battery is completely run out of power.
 - **DEAD:** Battery voltage is too low. Battery problem, check by professional.
 - **REVERSE:** Connected in reverse to the battery post, buzzer prompts.
- **LED Indication (Alternator Status):**
 - **HIGH:** Alternator output voltage is high (13.6-14.5V on a 12V battery).
 - **GOOD:** Alternator output voltage is correct.
 - **DEAD:** Alternator is not functioning correctly.
 - **REVERSE:** Connected in reverse to the battery post, buzzer prompts.

Applied for Most Vehicle Battery



Car



Motorcycle



RV



Lawn Mover



Electric Bike

Image: Detailed view of the AD-808's interface, highlighting the digital LCD voltage display, the voltage selection switch, and the distinct LED indicators for both battery charge and alternator performance.

VOLTAGE TEST TABLE

Refer to the following table for detailed voltage ranges corresponding to each indicator status.

Indicator Name	FULL	MEDIUM	LOW	EMPTY	Note
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Indicator Name	FULL	MEDIUM	LOW	EMPTY	Note
12V Battery Voltage Range	12.6V-14.5V	$\geq 11.9V, \leq 12.6V$	$\geq 9.9V, \leq 11.9V$	$< 9.9V$	Battery Voltage
12V Alternator Voltage Range	HIGH ($\geq 14.5V$)	GOOD ($\geq 13.6V, \leq 14.5V$)	DEAD ($< 13.6V$)	REVERSE	Generated Voltage
24V Battery Voltage Range	25.2V-29V	$\geq 23.8V, \leq 25.2V$	$\geq 19.8V, \leq 23.8V$	$< 19.8V$	Battery Voltage
24V Alternator Voltage Range	HIGH ($\geq 29.2V$)	GOOD ($\geq 26V, \leq 29.2V$)	DEAD ($< 26V$)	REVERSE	Generated Voltage

PROTECTION FEATURES

The AD-808 is built with safety in mind to protect both the device and your vehicle.

- **Reverse-Hookup Protection:** Prevents damage to the device if the positive and negative clamps are connected incorrectly. The "REVERSE" LED will illuminate, and a buzzer will sound.
- **Voltage Test Range:** The device safely operates within a 4-30V DC range. If the voltage is outside this range, the screen will display 'LO' (for $<4V$) or 'HI' (for $>30V$), protecting against over-voltage.

MAINTENANCE

To ensure the longevity and accurate performance of your AUTDER AD-808, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth after each use. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tester in a cool, dry place away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case to prevent damage.
- **Cable Care:** Inspect the cables and clamps regularly for any signs of wear, fraying, or damage. Replace if necessary.
- **Avoid Moisture:** Do not expose the device to water or excessive moisture. It is not waterproof.

TROUBLESHOOTING

If you encounter issues with your AD-808, refer to the following common problems and solutions:

- **Device does not power on:**
 - Ensure clamps are securely connected to the correct battery terminals (positive to positive, negative to negative).
 - If using the cigarette lighter adapter, ensure the vehicle's power socket is active.
 - Check if the battery being tested has sufficient voltage (above 4V) to power the device.
- **"REVERSE" LED is on:**
 - This indicates incorrect polarity connection. Disconnect immediately and re-attach the clamps to the correct terminals.
- **Display shows "LO" or "HI":**
 - "LO" indicates the voltage is below 4V. The battery may be severely discharged or dead.
 - "HI" indicates the voltage is above 30V. This is outside the device's safe operating range.
- **Inaccurate readings:**
 - Ensure connections are clean and free of corrosion.
 - Verify the correct voltage mode (12V or 24V) is selected for your battery.
 - If using the cigarette lighter, note that readings might be slightly lower than direct battery terminal readings.

SPECIFICATIONS



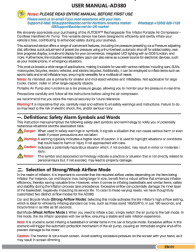
Brand	AUTDER
Model Number	AD-808
Product Dimensions	5.51 x 2.56 x 0.79 inches
Item Weight	5.64 ounces (0.16 Kilograms)
Power Source	Battery Powered (draws power from test subject)
Voltage Test Range	4-30V DC
Color	Black
Language	English
Country of Origin	China
Date First Available	December 22, 2020

WARRANTY AND SUPPORT

AUTDER provides a one-year warranty for the AD-808 battery tester. For any questions or assistance, please do not hesitate to contact our 24-hour online support team.

You can visit the official AUTDER store for more information and support: [AUTDER Store on Amazon](#)

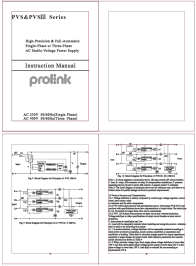
Related Documents - AD-808

	<p>AUTDER AD-808 12V/24V Digital Battery Tester & Charging System Analyzer User Manual</p> <p>Comprehensive user manual for the AUTDER AD-808, a 12V/24V digital battery tester and charging system analyzer. Learn how to test battery voltage, charging system, and interpret LED indicators.</p>
	<p>AUTDER Wireless Portable Air Compressor FC-368 User Manual</p> <p>This manual provides instructions and safety precautions for the AUTDER Wireless Portable Air Compressor, model FC-368. Learn how to charge the battery, connect and use the device, and understand its technical specifications.</p>
	<p>AUTDER Cordless Smart Tire Inflator Air Compressor AD380 User Manual</p> <p>Comprehensive user manual for the AUTDER AD380 Cordless Smart Tire Inflator Air Compressor. Learn about features, safety precautions, inflation instructions, specifications, troubleshooting, and warranty.</p>



[NOYAFA NF-808 Multifunctional Digital Cable Tester User Manual](#)

User manual for the NOYAFA NF-808 Multifunctional Digital Cable Tester, detailing its functions, operations, product parameters, and application fields for testing network and electrical cables.



[Prolink PVS & PVSIII Series High-Precision AC Voltage Stabilizer Instruction Manual](#)

This instruction manual provides comprehensive details on Prolink PVS and PVSIII series high-precision, full-automatic single-phase and three-phase AC stable-voltage power supplies. It covers product overview, specifications, operating and installation conditions, operating principles, wiring diagrams, dimensions, load selection, precautions, common faults, and after-sale service.