

Performance Tool W2998

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DIGITAL 12 VOLT PORTABLE BATTERY ANALYZER USER MANUAL

Model: W2998 | Brand: Performance Tool

INTRODUCTION

The Performance Tool W2998 Digital Battery Analyzer is designed for testing 12VDC automotive batteries and charging systems. This device offers fast and straightforward operation, providing accurate and reliable results through its digital display. It is compatible with various battery types, including Lead-Acid (LA), Absorbed Glass Mat (AGM), and Valve Regulated Lead-Acid (VRLA), and supports testing standards such as SAE, DIN, EN, IEC, and CA. The W2998 provides clear, easy-to-understand results, enabling users to quickly identify potential battery or charging system issues. Its portable design allows for convenient on-the-go testing.



Figure 1: Performance Tool W2998 Digital 12 Volt Portable Battery Analyzer.

SAFETY PRECAUTIONS

Always observe the following safety precautions when using the battery analyzer to prevent personal injury or damage to the device or vehicle.

- **Wear Eye Protection:** Always wear ANSI-approved safety goggles when working near batteries. Batteries contain corrosive acid.
- **Ventilation:** Ensure the work area is well-ventilated. Batteries can produce explosive gases.
- **Avoid Sparks:** Do not smoke or allow sparks or flames near the battery.
- **Proper Connection:** Connect the battery clamps correctly (Red to positive, Black to negative) to avoid short circuits or damage.
- **Insulated Tools:** Use insulated tools to prevent accidental shorting of battery terminals.
- **Vehicle Manual:** Always refer to your vehicle's service manual for specific battery testing procedures and safety information.
- **Keep Dry:** Do not expose the analyzer to rain or wet conditions.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Performance Tool W2998 Digital 12 Volt Portable Battery Analyzer

PRODUCT OVERVIEW

Familiarize yourself with the components of the W2998 Digital Battery Analyzer:



Figure 2: Key components of the W2998 Battery Analyzer.

- **Digital Display:** Shows testing options, results, and operational prompts.
- **Tester Clamps:** Red clamp connects to the positive (+) battery terminal, Black clamp connects to the negative (-) battery terminal.
- **Arrow Buttons:** Used for scrolling through menu options and adjusting settings.
- **ENTER Button:** Used to select options and confirm actions.

SETUP

The W2998 Battery Analyzer is designed for immediate use with minimal setup. It draws power directly from the battery being tested.

1. Ensure the battery terminals are clean and free of corrosion for accurate readings.
2. Connect the **RED** positive (+) clamp to the positive (+) terminal of the 12V battery.
3. Connect the **BLACK** negative (-) clamp to the negative (-) terminal of the 12V battery.
4. The analyzer will power on automatically once connected.

OPERATING INSTRUCTIONS

Basic Operation

1. **Connect to Battery:** As described in the Setup section, connect the red clamp to the positive terminal and the black clamp to the negative terminal. The analyzer will power on.
2. **Initial Screen:** The display will show the main menu or a prompt to begin testing.
3. **Navigate Menus:** Use the **Arrow Buttons** (Up/Down) to scroll through available options on the digital display.
4. **Select Option:** Press the **ENTER Button** to select a highlighted option or confirm a setting.
5. **Perform Test:** Follow the on-screen prompts to initiate the battery test. The analyzer will guide you through the process.
6. **View Results:** Once the test is complete, the results will be displayed on the screen.

Battery Type Selection

The W2998 can test various 12V battery types. It is crucial to select the correct battery type for accurate results.

- **LA (Lead-Acid):** Standard automotive batteries.
- **AGM (Absorbed Glass Mat):** Common in modern vehicles, often maintenance-free.
- **VRLA (Valve Regulated Lead-Acid):** Includes gel batteries and some AGM types.

Use the arrow buttons to select the battery type that matches your vehicle's battery, then press ENTER.

Interpreting Results

The analyzer provides clear results to indicate the condition of your battery and charging system. Common readings include:

- **Voltage:** The current voltage of the battery.
- **CCA (Cold Cranking Amps):** A measure of the battery's ability to start an engine in cold temperatures. Compare this to the battery's rated CCA.
- **Battery Health:** An overall assessment (e.g., "Good," "Recharge," "Replace").
- **Charging System Test:** May indicate if the alternator is charging the battery correctly.

MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your W2998 Battery Analyzer.

- **Cleaning:** Wipe the unit with a soft, dry cloth after each use. Do not use abrasive cleaners or solvents.
- **Storage:** Store the analyzer in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Periodically inspect the cables and clamps for any signs of damage, fraying, or corrosion. Replace if necessary.
- **Terminal Cleanliness:** Always ensure the battery terminals are clean before connecting the analyzer

for accurate readings.

TROUBLESHOOTING

If you encounter issues with your W2998 Battery Analyzer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Analyzer does not power on.	Poor connection to battery; Battery completely dead.	Ensure clamps are securely connected to clean battery terminals. If battery is completely discharged, it may not provide enough power to the analyzer.
Inaccurate readings.	Dirty battery terminals; Incorrect battery type selected; Loose connections.	Clean battery terminals. Verify the correct battery type (LA, AGM, VRLA) is selected in the analyzer's settings. Re-secure clamps.
Error message displayed.	Internal error; Battery fault.	Disconnect and reconnect the analyzer. If the error persists, the battery may have a significant fault, or the analyzer may require service.

SPECIFICATIONS

Detailed technical specifications for the Performance Tool W2998 Digital Battery Analyzer:



Figure 3: Dimensions of the W2998 Battery Analyzer.

Feature	Detail
Product Dimensions	5.7 x 1.9 x 9.7 inches
Item Weight	8.64 ounces
Model Number	W2998
Power Source	Battery Powered (draws from tested battery)
Style	12 Volt Portable Battery Analyzer
Color	Black
Compatible Battery Types	LA, AGM, VRLA
Testing Standards	SAE, DIN, EN, IEC, CA

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please contact Performance Tool

directly. Refer to the product packaging or the official Performance Tool website for the most current contact details and warranty policy.

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Related Documents

	<p>Performance Tool W2977 Multilingual Diagnostic Scanner Owner's Manual</p> <p>User manual for the Performance Tool W2977 Multilingual Diagnostic Scanner. Learn how to read OBD II diagnostic trouble codes (DTCs), check emission readiness, and troubleshoot vehicle issues with this comprehensive guide.</p>
	<p>Performance Tool W2976 Multilingual Diagnostic Scanner Owner's Manual</p> <p>This owner's manual provides essential guidance for the Performance Tool W2976 Multilingual Diagnostic Scanner. Learn how to safely operate the device, understand OBD II systems, read and clear diagnostic trouble codes (DTCs), check vehicle compatibility, and interpret readiness monitor status.</p>
	<p>Performance Tool W2977 Diagnostic Scan Tool CAN OBDII Owner's Manual</p> <p>This owner's manual provides comprehensive instructions for the Performance Tool W2977 Diagnostic Scan Tool. Learn about OBD II systems, diagnostic trouble codes (DTCs), readiness monitors, and operating procedures for reading and clearing codes.</p>
	<p>Performance Tool 5-IN-1 Hammer Multi-Tool Compact & Versatile Hand Tool</p> <p>Discover the Performance Tool 5-IN-1 Hammer Multi-Tool (W1009). This compact, lightweight tool combines a hammer with four essential screwdriver bits, perfect for household projects, furniture assembly, and small repairs. Features easy storage and a lifetime warranty.</p>

Documents - Performance Tool – W2998

12 VOLT DIGITAL BATTERY ANALYZER

Stock Number W2998

OWNER'S MANUAL



FOR YOUR SAFETY,
please read these instructions carefully and retain them for future use.



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12 VOLT DIGITAL BATTERY ANALYZER Stock Number W2998 OWNER S

MANUAL FOR YOUR SAFETY, please read these instructions carefully and retain them for future use. DESCRIPTION Portable, fast, and very simple to use battery starting and charging system analyzer. Digital display indicates the condition of ...

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[pdf] Instructions Warranty

12 VOLT DIGITAL BATTERY ANALYZER Summitracing Portable fast and very simple to use battery starting charging system analyzer The warnings precautions instructions discussed in this manual wmr w2998 static summitracing global images |||

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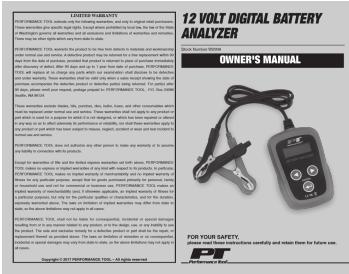
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[pdf] User Manual Owner's Manual Instructions Guide Warranty

LIMITED WARRANTY 12 VOLT DIGITAL BATTERY ANALYZER The warnings precautions and instructions discussed in this manual cannot cover all possible conditions situations that may occur operator must understand common sense caution are factors which be built into product but supplied by the 6 OWNER S MANUAL Stock Number W2998 FOR YOUR SAFETY please read these carefully retain them for future use 703388 1502141329 0 555 w2998 image sportsmansguide ProductDocuments jogs InstallationInstructions 500

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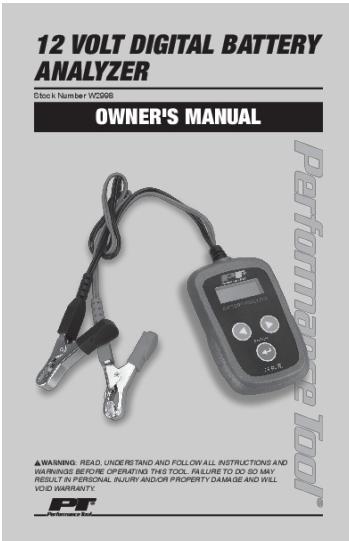


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MASTER PRODUCT CATALOG 2021 performancetool.com California Residents Prop 65 warnings see page 2. ... o indicate systems condition. Item # IP MP PKG Battery CCA Battery Types Voltage Standards **W2998** 8 48 CRD 200-1,200 LA, AGM VRLA 7-15VDC SAE, DIN, EN, IEC, CA BATTERY LOAD TESTER Acc...

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12 VOLT DIGITAL BATTERY ANALYZER Stock Number **W2998** OWNER S MANUAL WARNING: READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS TOOL. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY. DESCRIPTION Portable, fast, and very simp...

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[\[pdf\]](#) User Manual Catalog

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