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ETURBEV TA804A

ETURBEV TA804A Digital Multimeter User Manual

Model: TA804A

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of the ETURBEV TA804A Digital Multimeter. Please read this manual thoroughly before operating the device and retain it for future reference. Understanding the functions and safety precautions will ensure accurate measurements and prolong the life of your multimeter.





The ETURBEV TA804A Digital Multimeter, a compact and intelligent device designed for various electrical measurements, held comfortably in hand.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, injury, or damage to the multimeter and the equipment under test.

- Do not exceed the maximum input limits specified for each measurement range.
- Ensure test leads are properly connected to the correct input jacks before making any measurements.
- Do not use the multimeter if it appears damaged or if the test leads are compromised.
- Always disconnect power to the circuit or component before testing resistance, continuity, or capacitance.
- Exercise extreme caution when working with voltages above 30V AC RMS, 42V peak, or 60V DC. These voltages pose a shock hazard.
- Keep fingers behind the finger guards on the test probes during use.
- Replace batteries immediately when the low battery indicator appears to ensure accurate readings.

3. PRODUCT FEATURES

The ETURBEV TA804A Digital Multimeter is designed with user convenience and safety in mind, offering a range of features for various electrical testing needs.

- **Large Screen Display:** Provides clear and easy-to-read measurement results.
- **Automatic Intelligent Recognition:** Automatically identifies measurement type (AC/DC voltage, resistance, continuity) for simplified operation.
- **Anti-Burn Protection:** Enhanced safety features to protect the device from incorrect input.
- **Multi-Function Measurement:** Capable of measuring voltage (AC/DC), resistance, frequency, and performing continuity tests.
- **Non-Contact Voltage (NCV) Detection:** Allows for safe detection of live wires without direct contact.
- **Compact and Portable Design:** Lightweight and easy to carry for fieldwork or home use.

智能识别 简单易用

长按开机键开机，表笔接触零火线，屏幕显示电压值。



The ETURBEV TA804A Digital Multimeter features a slim, portable design, comparable in size to a modern smartphone, making it convenient for on-the-go use.

4. SETUP

Follow these steps to prepare your multimeter for first use.

1. **Unpack:** Carefully remove the multimeter and all accessories from the packaging. Inspect for any signs of damage.
2. **Battery Installation:** Open the battery compartment cover on the back of the multimeter. Insert the

required batteries (typically AAA, refer to specifications) ensuring correct polarity. Close the cover securely.

3. **Connect Test Leads:** Insert the red test lead into the "INPUT" jack and the black test lead into the "COM" (common) jack. Ensure they are firmly seated.

5. OPERATING INSTRUCTIONS

This section details the basic operation of your TA804A multimeter.

5.1 Power On/Off

To power on the multimeter, press and hold the power button (usually marked with " "). To power off, press and hold the power button again. The device features an automatic power-off function to conserve battery life after a period of inactivity.

5.2 Automatic Measurement Mode

The TA804A is equipped with an intelligent automatic recognition function. When powered on, it typically defaults to AUTO mode. In this mode, the multimeter will automatically detect the type of measurement (AC/DC voltage, resistance, continuity) and display the appropriate reading without manual range selection.



The ETURBEV TA804A Digital Multimeter in use, displaying an AC voltage measurement of 227.6V, demonstrating its intelligent recognition and clear large screen display.

5.3 Specific Measurement Functions

- **Voltage Measurement (AC/DC):** Connect the test leads in parallel to the circuit or component. The multimeter will automatically detect and display the voltage.
- **Resistance Measurement:** Ensure the circuit is de-energized. Connect the test leads across the component to measure its resistance.
- **Continuity Test:** Ensure the circuit is de-energized. Connect the test leads across the component. A low resistance (typically below 50 ohms) will indicate continuity, often accompanied by an audible beep.
- **Frequency Measurement (Hz):** The multimeter can display the frequency of an AC signal.
- **Non-Contact Voltage (NCV) Detection:** Activate the NCV function (if available via a dedicated button). Hold the top of the multimeter near a live wire. The device will indicate the presence of AC voltage through visual and/or audible alerts.

5.4 Data Hold Function

Press the "HOLD" button to freeze the current reading on the display. This is useful for recording measurements in hard-to-reach areas. Press the button again to release the hold and resume live readings.

6. MAINTENANCE

Proper care and maintenance will ensure the longevity and accuracy of your multimeter.

- **Cleaning:** Keep the device clean and dry. Use a soft, damp cloth to wipe the casing. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** When the low battery indicator appears on the display, replace the batteries promptly to maintain measurement accuracy. Always use the specified battery type.
- **Storage:** Store the multimeter in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries to prevent leakage.
- **Inspection:** Periodically inspect the test leads for any signs of damage, such as cracks or frayed insulation. Replace damaged leads immediately.

7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
No display or dim display	Dead or low batteries; Incorrect battery installation	Replace batteries; Check battery polarity
Incorrect or unstable reading	Poor test lead connection; Exceeding input limits; External interference	Ensure leads are firmly connected; Do not exceed limits; Move away from strong electromagnetic fields
Multimeter does not turn on	Batteries are completely drained; Device malfunction	Replace batteries; If issue persists, contact customer support

8. SPECIFICATIONS

Technical specifications for the ETURBEV TA804A Digital Multimeter.

- **Model:** TA804A
- **Display:** Large LCD Digital Display
- **Measurement Functions:** AC/DC Voltage, Resistance, Continuity, Frequency, NCV
- **Safety Rating:** CAT III 600V (Refer to device markings for specific ratings)
- **Power:** Battery operated (specific battery type not provided, typically AAA x 2 or similar)
- **Dimensions:** Approximately 1.18 x 0.79 x 0.39 inches (Package Dimensions)
- **Item Weight:** Approximately 1.76 ounces (50 Grams)
- **Manufacturer:** ETURBEV
- **Certifications:** CE, FCC (as per product description)

9. WARRANTY AND SUPPORT

The ETURBEV TA804A Digital Multimeter comes with a standard manufacturer's warranty, details of which may vary by region and retailer. For specific warranty terms, technical support, or service inquiries, please refer to the documentation provided at the time of purchase or contact ETURBEV customer service directly through your purchase platform or the official ETURBEV website. Please have your product model (TA804A) and purchase information ready when contacting support.