diymore B0BWJK2MDC

diymore Type C USB Tester User Manual

Model: B0BWJK2MDC

Brand: diymore

INTRODUCTION

The diymore Type C USB Tester is a versatile digital multimeter designed for real-time detection of charging status, including voltage, current, power, and internal temperature of electrical appliances. It features a color LCD screen for clear display and supports various fast charging protocols. This compact and portable device is an essential tool for monitoring USB-C power delivery.

KEY FEATURES

- **High-Definition LCD Screen:** Utilizes a 0.96-inch IPS high-definition LCD screen with high resolution, brightness, and wide viewing angles for clear data display.

- **Real-time Monitoring:** Detects and displays voltage, current, power, and internal temperature of connected devices in real-time.

- **Data Storage:** Capable of saving up to 9 sets of charge data, with a power-off memory function to retain data for later observation.

- **Fast Charging Protocol Support:** Supports identification of QC2.0, QC3.0, and PD fast charging protocols.

- **Wide Compatibility:** Designed with a Type-C interface, suitable for cell phones, laptops, chargers, car chargers, and other USB-C compatible devices.

- **Overcharge Protection:** Features an automatic stop charging function based on a user-set time range to prevent overcharging and potential battery damage.

- **Durable Construction:** The interface is made from precision-made aluminum alloy to prevent oxidation and rust, ensuring durability and suitability for various environments.

PRODUCT OVERVIEW

Front view of the diymore Type C USB Tester, showcasing its vibrant color LCD display with various measurement parameters.

4-digit precision
more accurate measurement

Detailed view of the tester's screen, emphasizing its 4-digit precision for accurate measurements.

A composite image illustrating the key physical aspects of the tester: the Type-C input/output ports, the control button, and the robust aluminum alloy casing.

SETUP

The diymore Type C USB Tester is designed for plug-and-play operation, requiring no driver installation. To set up the device:

1. Identify the Type-C input and output ports on the tester.

2. Connect your power source (e.g., USB-C charger, power bank) to one end of the USB tester. The tester can be connected in either orientation.

3. Connect your device (e.g., smartphone, laptop) to the other end of the USB tester.

4. Ensure both connections are secure. The tester's display will automatically activate and begin showing real-time measurements.

Illustration of the connection setup for the USB C Tester, demonstrating its placement between a power source and a device.

OPERATING INSTRUCTIONS

Once connected, the diymore Type C USB Tester will immediately display various charging parameters. Here's how to interact with the device:

- **Viewing Data:** The color LCD screen automatically displays voltage (V), current (A), power (W), accumulated charge (mAh), accumulated energy (mWh), resistance (Ω), and temperature (°C).

- **Switching Display Modes:** Press the single button on the side of the tester to cycle through different sets of displayed specifications.

- **Rotating Display:** Double-click the button to rotate the display orientation, which is useful for different viewing angles or when the device is plugged in an awkward position.

- **Resetting Data:** Long-press the button for 3 seconds to reset the timer and cumulative data (mAh, mWh). This is useful for starting a new measurement cycle.

- **Power-off Memory:** The device retains the last saved data even after being disconnected from power, allowing for convenient data monitoring.

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Demonstration of the diymore Type C USB Tester in use, showing how it displays real-time charging data when connected to a smartphone.

MAINTENANCE

To ensure the longevity and accurate performance of your diymore Type C USB Tester, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using liquid cleaners or abrasive materials.

- **Storage:** Store the tester in a cool, dry place away from direct sunlight and extreme temperatures.

- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts. When plugging and unplugging, do so in a straight line to prevent stress on the connectors.
- **Environmental Conditions:** While designed for various environments, avoid exposing the tester to excessive moisture or dust.

TROUBLESHOOTING

If you encounter issues with your diymore Type C USB Tester, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Display is blank or not turning on.	No power supply, loose connection, or device malfunction.	Ensure the tester is properly connected between a working power source and a device. Try a different cable or power source.
Readings are inaccurate or fluctuating.	Poor connection, faulty cable, or device drawing unstable power.	Check all connections for tightness. Try a different USB-C cable. Test with another device or power source to isolate the issue.
Device connected to tester is not charging.	Tester malfunction, power source issue, or device issue.	Bypass the tester and connect the device directly to the charger to confirm the charger and device are working. If they work directly, the tester might be faulty.
Physical connector detaches from the body.	Excessive force or improper removal.	Always plug and unplug the tester in a straight line without twisting or excessive force. If the connector is already detached, the unit may require replacement.

SPECIFICATIONS

Parameter	Value
Model	KWS-1902C (as seen on product image) / B0BWJK2MDC (ASIN)
Brand	diymore
Interface Type	Type-C
Voltage Range	DC 4-30V
Current Range	0-5.1A
Display Type	Color Screen LCD (0.96" IPS)
Power Source	Battery Powered (implied by portability, though it draws power from the circuit)
Dimensions	Approx. 56.6mm x 24.7mm x 11.2mm (2.23 x 0.97 x 0.44 inches)
Weight	Approx. 0.32 ounces

WARRANTY AND SUPPORT

diymore products are manufactured to high-quality standards. For warranty information, technical support, or any inquiries

regarding your Type C USB Tester, please contact diymore customer service or visit the official diymore store on Amazon:

diymore Store: https://www.amazon.com/stores/diymore/page/F1BED994-E940-42D1-820E-6B1BEED7B803

Please retain your proof of purchase for warranty claims.

Related Documents - B0BWJK2MDC

[Operating Instructions for Diymore Adjustable Voltage Regulator](#)
Detailed operating instructions and parameter settings for the Diymore Adjustable Voltage Regulator DC Buck Boost Converter, covering voltage and current adjustment, protection settings, and calibration.

[5918 Digital Voltage Meter User Manual](#)
User manual for the 5918 Digital Voltage Meter by diymore. Covers product parameters, description, key functions, and detailed setup instructions for various battery types (ternary lithium, iron-lithium, lead-acid) and custom voltage/backlight settings.