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› WANGCL USB Voltmeter with Bluetooth User Manual

WANGCL ELA26228

WANGCL USB Voltmeter with Bluetooth User Manual

Brand: WANGCL | Model: ELA26228

1. PRODUCT OVERVIEW

The WANGCL USB Voltmeter with Bluetooth is a versatile digital voltage and power meter designed for testing USB devices and power sources. It features a 1.45-inch HD color screen that clearly displays essential charging data such as voltage, current, power, temperature, and internal resistance. This device is equipped with multiple interfaces, including USB-A, Micro USB, and Type-C, making it compatible with a wide range of devices.

Its multi-screen interface design and comprehensive help menu aim to provide an intuitive user experience without the need for extensive instruction reading.



Figure 1: WANGCL USB Voltmeter with Bluetooth, showing its compact design and display.

2. PRODUCT FEATURES

- **Multi-Screen Interface:** Features a multi-screen interface design with a comprehensive help menu for ease of use.
- **Versatile Interfaces:** Integrated with 4 function buttons, 5 common interfaces, and 7 types of display interfaces, including USB-A, Micro USB, and Type-C.
- **HD Color Display:** A 1.45-inch HD color screen provides clear readings of voltage, current, power, temperature, and internal resistance during charging.
- **Laptop Charging Measurement:** Capable of measuring laptop charging data by connecting the power source and laptop through the voltmeter using two Type-C cables.
- **Bluetooth Connectivity:** Equipped with Bluetooth for potential data logging or remote monitoring.

3. PACKAGE CONTENTS

The package typically includes:

- 1 x WANGCL USB Voltmeter with Bluetooth



Figure 2: The USB Voltmeter packaged in its protective tin case.

4. SETUP AND CONNECTION

To begin using your WANGCL USB Voltmeter, follow these general connection guidelines:

1. **Basic Connection:** Connect the USB Voltmeter in-line between your power source (e.g., wall charger, power bank) and the device you wish to test (e.g., smartphone, tablet). Use the appropriate input (USB IN, Type-C IN) and output (USB OUT, Type-C OUT) ports.
2. **Type-C PD Connection:** If connecting a Type-C Power Delivery (PD) source and the tester screen does not illuminate, try rotating the Type-C connector 180 degrees and reinserting it.
3. **Laptop Charging Measurement:**
 - Ensure your laptop is powered.
 - Prepare two Type-C cables.
 - Connect one Type-C cable from your power supply to the Type-C IN port of the voltmeter.

- Connect the second Type-C cable from the Type-C OUT port of the voltmeter to your laptop.
- The voltmeter will then display the charging data for your laptop.

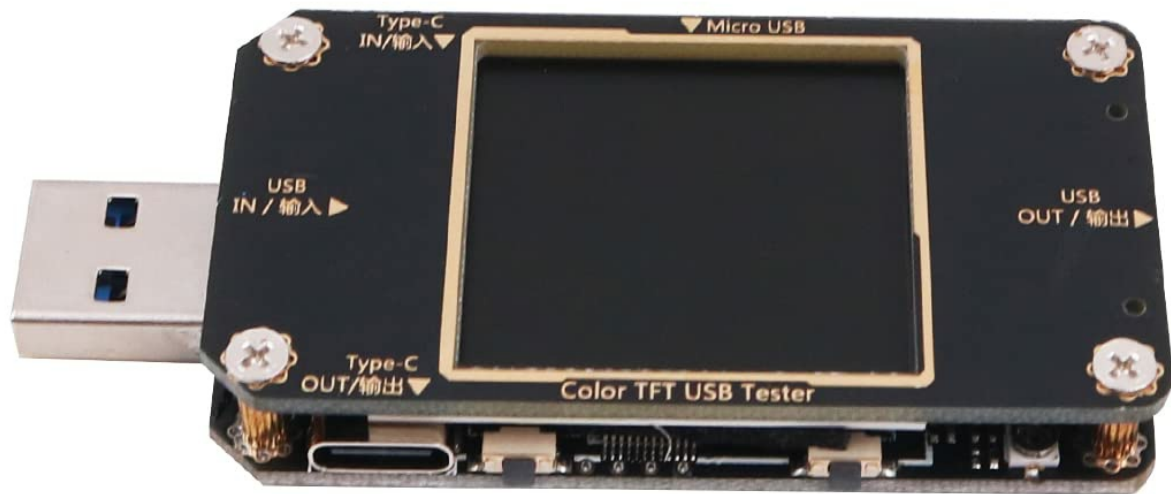


Figure 3: Close-up view of the input ports on the USB Voltmeter.

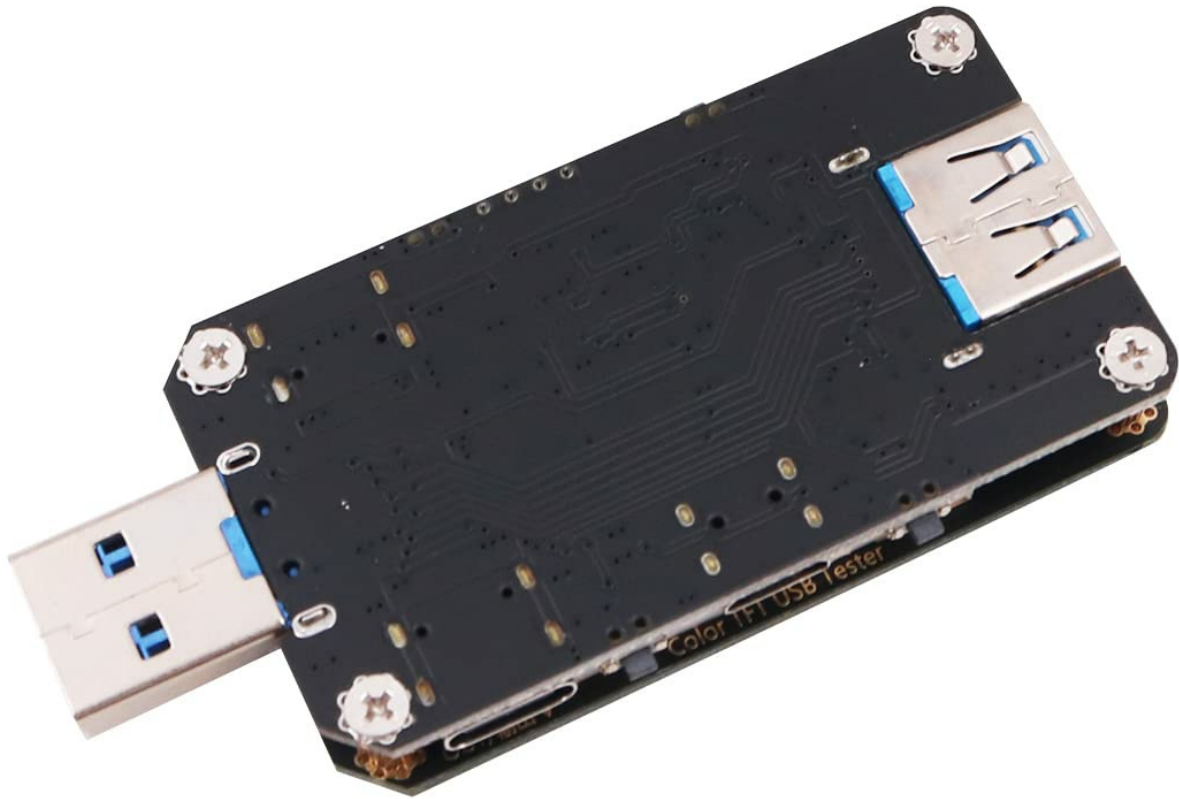


Figure 4: Close-up view of the output ports on the USB Voltmeter.

5. OPERATING INSTRUCTIONS

Once connected, the WANGCL USB Voltmeter will automatically power on and display real-time data on its HD color screen. The device is designed with an intuitive interface to simplify operation.

- **Display Information:** The 1.45-inch HD color screen will show various parameters including voltage (V), current (A), power (W), temperature, and internal resistance.
- **Interface Navigation:** The voltmeter includes 4 function buttons that allow you to navigate through 5 common interfaces and 7 types of display interfaces. Refer to the on-screen help menu for specific button functions and interface layouts.
- **Bluetooth Connectivity:**
 - When the Bluetooth indicator is rapidly flashing, the device is waiting for pairing.
 - Once a connection is established and paired, the indicator will change from flashing to a long, steady brightness.

- After successful connection, the screen will display the Bluetooth logo.
- Use a compatible application on your smartphone or computer to connect to the device via Bluetooth for advanced monitoring or data logging features (application details not provided in product information).



Figure 5: The USB Voltmeter in use, demonstrating its portable nature.

6. MAINTENANCE

To ensure the longevity and accurate performance of your WANGCL USB Voltmeter, please observe the following maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the plastic casing and screen.
- **Storage:** Store the voltmeter in a cool, dry place away from direct sunlight and extreme temperatures. When not in use for extended periods, it is recommended to store it in its original packaging or a protective case.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts, which can damage internal components or the screen.

- **Moisture:** Keep the device away from water and high humidity. This product is not waterproof.

7. TROUBLESHOOTING

If you encounter issues with your WANGCL USB Voltmeter, please refer to the following common troubleshooting tips:

- **Screen Does Not Light Up:**
 - Ensure the power source is active and providing sufficient power.
 - If using a Type-C PD connection, try rotating the Type-C connector 180 degrees and reinserting it. Some Type-C cables or ports may be sensitive to orientation.
 - Test with a different USB cable or power source to rule out cable or power supply issues.
- **Inaccurate Readings:**
 - Ensure all connections are secure and free from debris.
 - The AHV (Ampere-Hour/Voltage) value displayed can vary based on the connected device's battery status and its support for specific charging currents (e.g., 2A). A fuller battery may draw less current as a self-protection mechanism.
 - Test with a known good power source and device to verify readings.
- **Bluetooth Connection Issues:**
 - Ensure Bluetooth is enabled on your connecting device (smartphone/computer).
 - Check the Bluetooth indicator on the voltmeter: rapid flashing indicates waiting for pairing, steady light indicates connected.
 - Move closer to the voltmeter to ensure you are within Bluetooth range.
 - Restart both the voltmeter (by disconnecting and reconnecting power) and your connecting device.

8. SPECIFICATIONS

Feature	Detail
Brand	WANGCL
Model Number	ELA26228
UPC	713310696718
Product Dimensions	10 x 50 x 50 mm (0.39 x 1.97 x 1.97 inches)
Weight	60 Grams
Material	Plastic
Display	1.45-inch HD Color Screen
Measurement Type	Voltmeter (Voltage, Current, Power, Temperature, Internal Resistance)
Power Source	Battery (likely powered by the USB connection)
Style	Integrated, Portable
Country of Origin	China

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your WANGCL USB Voltmeter, please contact the seller or manufacturer directly. Keep your purchase receipt or order details handy as proof of purchase.

Seller: WANGCL EU

For further assistance, refer to the product listing page on Amazon or contact Amazon customer service.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question