

Walfront YB26VA

Walfront YB26VA USB Detector Instruction Manual

1. INTRODUCTION

The Walfront YB26VA USB Detector is a compact and versatile device designed to measure the voltage, current, and battery capacity of USB-powered devices. It features a dual LED display for clear, simultaneous readings, making it an essential tool for monitoring the performance of mobile phones, tablet computers, power banks, and other USB devices.

2. SAFETY INFORMATION

- Read all instructions thoroughly before operating the device.
- Do not expose the device to moisture, rain, or extreme temperatures.
- Do not attempt to disassemble or modify the device. This may void the warranty and pose a safety risk.
- Ensure that the voltage and current of the connected devices are within the specified operating limits of the YB26VA detector.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

The YB26VA USB Detector features a male USB-A plug for input, a female USB-A port for output, and a dual LED display that shows real-time voltage and current measurements. The device is designed for ease of use and portability.



Figure 3.1: Front view of the USB Detector. This image displays the device with its red LED screen showing voltage and current readings, and the attached USB-A male connector.



Figure 3.2: Back view of the USB Detector. The reverse side of the device is shown, detailing the model number (YB26VA USB Tester) and basic voltage/current specifications.

4. SPECIFICATIONS

Feature	Specification
Model	YB26VA
Power Supply Voltage	3.2V - 15V
Test Current	0A - 3A (Up to 10A peak)
Measurement Accuracy	0.1% +/-3 Digit
Working Current	<20mA

Feature	Specification
Display Mode	0.28 inch LED
USB Extension Cable Length	≥120mm
Measurement Rate	≥500mS/Time
Working Temperature	-10°C to 65°C
Working Humidity	No Condensation
Working Pressure	80-106KPa
Item Weight	32g

5. SETUP

1. **Connect to Power Source:** Insert the male USB-A plug of the YB26VA USB Detector into a USB power source. This can be a USB wall charger, a power bank, a computer's USB port, or any other compatible USB power output.
2. **Connect Your Device:** Plug the USB charging cable of your mobile phone, tablet, or other USB device into the female USB-A output port of the YB26VA USB Detector.
3. **Power On:** The detector will automatically power on and display readings once connected to a live USB power source.



Figure 5.1: USB Detector connected to a laptop. This image illustrates the YB26VA detector plugged into a laptop's USB port, ready to measure power consumption of a connected device.

6. OPERATING INSTRUCTIONS

Once the YB26VA USB Detector is set up, it will immediately begin displaying real-time measurements:

- **Voltage Display (V):** The upper LED display shows the current voltage in Volts (V).
- **Current Display (A):** The lower LED display shows the current flowing through the device in Amperes (A).
- **Smart Recognition Chip:** The built-in smart recognition chip automatically selects the most suitable and safe charging current for your connected mobile phone or tablet, optimizing charging efficiency.
- **Alternate Display:** The device can alternately display capacity and power, providing comprehensive monitoring capabilities.
- **Multi-Device Compatibility:** The detector can be used with most mobile phones, mobile power supplies, tablet computers, and other USB devices. It supports simultaneous monitoring of two mobile phones if the power source allows.



Can display USB charging or discharging voltage and current at the same time and on the same screen, alternately or single display capacity and power.

Figure 6.1: USB Detector in operation with multiple devices. This image shows the detector's display with voltage and current readings, indicating its use with various USB-powered devices like smartphones and tablets.

7. MAINTENANCE

- Keep the device clean and dry. Use a soft, dry cloth to wipe the surface.
- Avoid dropping the device or subjecting it to strong impacts.
- Do not use abrasive cleaners or solvents, as these can damage the casing or display.
- Store the device in a cool, dry place when not in use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No display/Device not powering on	No power from USB source, faulty connection, or device malfunction.	Ensure the USB detector's male plug is fully inserted into a working USB power source. Try a different USB port or power source. Check the connected device's cable.
Incorrect or fluctuating readings	Loose connections, faulty USB cable, or device drawing unstable power.	Verify all USB connections are secure. Try a different USB cable for the connected device. Ensure the power source is stable.
Device not charging through detector	Insufficient power from source, faulty cable, or device incompatibility.	Ensure the USB power source provides enough current for your device. Try a different charging cable. Some devices may have specific charging requirements.

9. WARRANTY INFORMATION

For specific warranty details regarding your Walfront YB26VA USB Detector, please refer to the documentation provided at the time of purchase or contact the retailer directly. Warranty terms typically cover manufacturing defects under normal use conditions.

10. SUPPORT

Should you require technical assistance, have questions about the product, or need to report an issue, please contact Walfront customer support through their official website or the customer service channels of the retailer from whom you purchased the product. Please have your product model (YB26VA) and purchase details ready when contacting support.