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## Voktta A38GXQC0162-001

# Voktta USB Tester 0-6.5A 4-30V Digital Multimeter User Manual

Model: A38GXQC0162-001

## INTRODUCTION

The Voktta USB Tester is a versatile digital multimeter designed to measure voltage, current, power, and capacity of USB-powered devices. It features a high-definition 0.96-inch IPS LCD, offering a wide 160° viewing angle, high brightness, and long lifespan. This device is essential for diagnosing charging performance and identifying issues with USB cables, chargers, power banks, and mobile devices.

It incorporates an internal professional instrument sampling circuit combined with a unique precision algorithm to ensure accuracy and stability at both hardware and software levels. The tester is frequently used for quality control of digital products and 3C peripherals with USB interfaces.



Image: Voktta USB Tester with its color display showing various electrical parameters.

## SETUP

The Voktta USB Tester is designed for plug-and-play operation, requiring no complex software installation or drivers. Follow these steps to begin testing:

1. **Connect Power Source:** Insert the male USB-A connector of the Voktta USB Tester into a power source, such as a USB wall charger, power bank, car charger, or a computer's USB port.
2. **Connect Device:** Plug the USB cable of the device you wish to test (e.g., mobile phone, tablet, laptop) into the female USB-A port on the Voktta USB Tester.
3. **Observe Display:** The tester's IPS display will automatically illuminate and begin showing real-time measurements.

## USB Color Screen Tester

USB interface / HD display / Precise measurement / Compatible with PD



Image: The Voktta USB Tester shown connected in an inline configuration, ready for measurement.

### OPERATING INSTRUCTIONS

Once connected, the Voktta USB Tester provides comprehensive real-time data. Here's how to utilize its features:

- **Real-time Detection:** The tester continuously displays voltage (V), current (A), power (W), capacity (mAh), energy (mWh), time (T), resistance ( $\Omega$ ), and temperature ( $^{\circ}\text{C}$ ).
- **Display Orientation:** The 0.96-inch IPS display can be connected in two directions, offering a 160° wide viewing angle for optimal readability.

- **Changing Display Modes:** Press the physical button located on the side of the tester to cycle through different display interfaces. Each interface may present a different combination or layout of measurement parameters.
- **Power-Off Memory Function:** The tester is equipped with a power-off memory function. When the power supply to the mobile device is interrupted, the accumulated capacity (mAh) and energy (mWh) data are stored. This feature is particularly useful for measuring the total energy capacity of mobile power sources over time.
- **Quick Charge Protocol Identification:** The tester supports the identification of Quick Charge protocols, specifically QC2.0 and QC3.0, allowing you to verify if your device is fast charging.

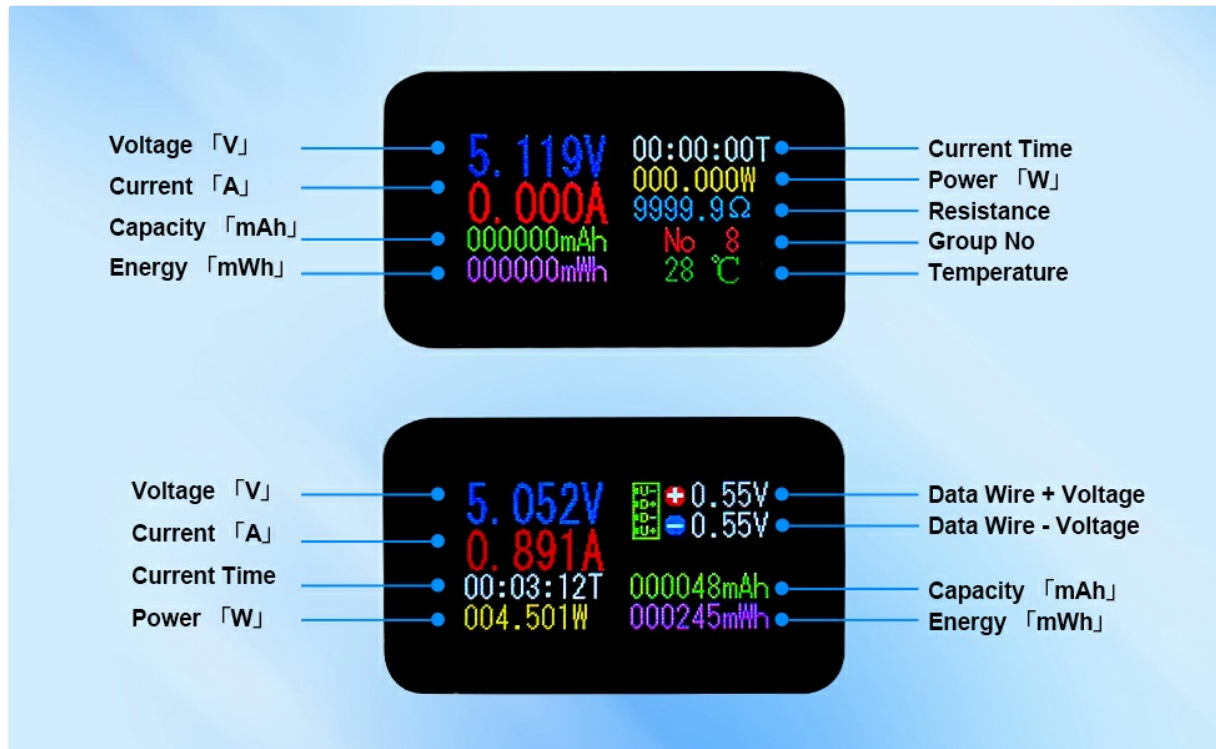


Image: A detailed diagram explaining each parameter displayed on the Voktta USB Tester's screen.

## MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device and the display screen. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the plastic and screen.
- **Storage:** Store the tester in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts, which could damage internal components or the display.
- **Disassembly:** Do not attempt to disassemble or repair the device yourself. Unauthorized disassembly voids the warranty and may lead to damage or injury.

## TROUBLESHOOTING

If you encounter issues with your Voktta USB Tester, refer to the following common problems and solutions:

- **No Display or Screen Not Lighting Up:**

- Ensure the tester is securely connected to a functional USB power source.
  - Verify that the device being charged is also properly connected and drawing power.
  - Try connecting the tester to a different USB port or power adapter.
- **Inaccurate Readings:**
    - Check all connections to ensure they are firm and stable. Loose connections can lead to fluctuating or incorrect readings.
    - Test with a different USB cable, as faulty cables can significantly impact charging performance and measurement accuracy.
    - Test with a different power source or load device to isolate if the issue is with the tester or other components.
- **Capacity/Energy Data Not Stored:**
    - The power-off memory function stores data when the power supply is completely disconnected. Ensure the device is fully powered off or disconnected from the power source for data to be saved.
    - If the power is only momentarily interrupted, the data might not be saved.
- **Device Not Charging Through Tester:**
    - The tester itself should not prevent charging. If your device is not charging, first bypass the tester to confirm the power source and cable are working.
    - If the device charges without the tester, ensure the tester is not damaged and is properly connected.

## SPECIFICATIONS

Feature	Specification
Brand	Voktta
Model Number	A38GXQC0162-001
Voltage Measurement Range	4V - 30V
Current Measurement Range	0A - 6.5A
Display	0.96-inch IPS High-Definition LCD
Viewing Angle	160°
Dimensions (L x W x H)	3 x 5 x 2 cm (30 x 50 x 20 mm)
Weight	10 grams
Material	Electronic Components and Plastic
Supported Quick Charge Protocols	QC2.0, QC3.0
Special Features	Power-off memory, Real-time detection of voltage/current/power/capacity/energy/time/resistance/temperature

## WARRANTY AND SUPPORT

For technical assistance, product inquiries, or any issues not covered in this manual, please contact Voktta customer service through your purchase platform. We are committed to providing support and will do our best to help you resolve any problems you may encounter with your Voktta USB Tester.

Please retain your proof of purchase for any warranty claims, though specific warranty terms are not detailed in this document. Contact customer service for more information regarding warranty coverage.

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