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Fasizi UM34C

Fasizi UM34C USB Meter Tester User Manual

Model: UM34C | Brand: Fasizi

1. INTRODUCTION

The Fasizi UM34C is a versatile USB meter tester designed for precise measurement of voltage, current, power, capacity, and energy. It features a 1.44-inch color LCD display for clear readings and offers Bluetooth connectivity for Android app control, allowing for enhanced data monitoring and analysis. This manual provides essential information for the safe and effective use of your UM34C device.



Figure 1: Fasizi UM34C USB Meter Tester, showcasing its compact design and vibrant display.

Key features include quick charge recognition, load impedance measurement, temperature display, and adjustable screen brightness. The UM34C model specifically includes a Bluetooth communication module for seamless integration with compatible Android devices.

2. SETUP

2.1 Package Contents

- 1 x Fasizi UM34C USB Meter Tester

2.2 Connecting the Device

To begin using your UM34C tester, simply plug the USB-A male connector into a USB power source (e.g., charger, power bank, computer USB port). Then, connect the device you wish to test (e.g., smartphone, tablet) to the USB-A female port or the Type-C IN port on the UM34C.



Figure 2: Detail of the Type-C IN port, allowing connection of Type-C devices for testing.

2.3 Bluetooth Connection (UM34C Only)

The UM34C model features a built-in Bluetooth module for wireless communication with an Android application. Ensure your UM34C is powered on. On your Android device, enable Bluetooth and search for available devices. Select the UM34C from the list to pair. Once paired, open the dedicated Android application to view real-time data and control settings.

UM34C



With BT Board

With Communication Version

Figure 3: The UM34C model, highlighting the integrated Bluetooth board for wireless connectivity.



- Android Phone APP Control
- Automatically Detect Updates
- Support Export Data To Excel

Figure 4: An Android phone displaying the UM34C application interface, demonstrating remote control and data export capabilities.

3. OPERATING INSTRUCTIONS

3.1 Display Navigation

The UM34C features a 1.44-inch color LCD display. Use the 'PREV' and 'NEXT' buttons located on the device to cycle through different measurement screens and settings. Each screen provides specific data points such as voltage, current, power, capacity, energy, temperature, and load impedance.

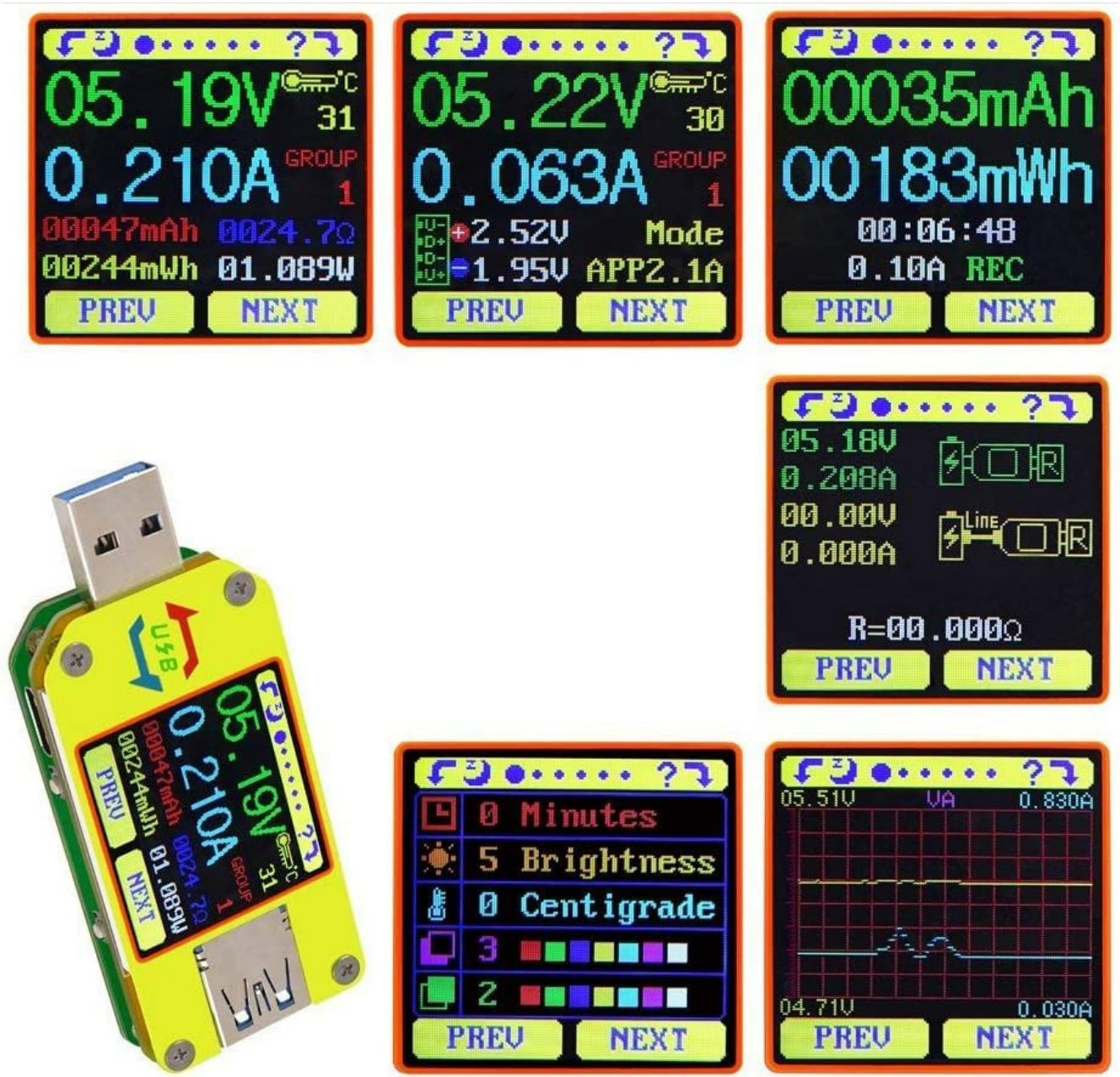


Figure 5: A collage of different display modes available on the UM34C, showing various measurement parameters.

3.2 Measurement Modes

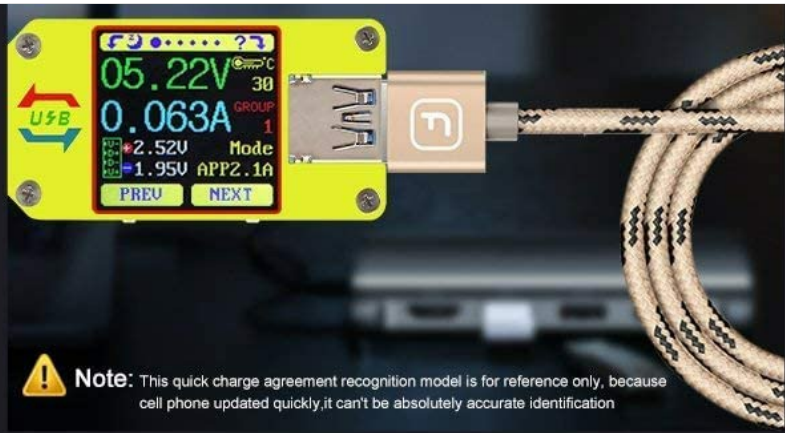
- **Voltage/Current/Power Detection:** Real-time monitoring of voltage (V), current (A), and calculated power (W).
- **Capacity/Energy Detection:** Accumulates charge capacity (mAh) and energy (Wh) over time, useful for evaluating power banks or battery charging.
- **Load Impedance Measurement:** Displays the calculated load impedance in Ohms (Ω).
- **Temperature Display:** Shows the ambient temperature in Celsius ($^{\circ}\text{C}$) or Fahrenheit ($^{\circ}\text{F}$).
- **Quick Charge Recognition:** Identifies various quick charge protocols (e.g., QC2.0, QC3.0, Apple 2.4A, Samsung). Note that recognition is for reference only and may not be 100% accurate due to rapid protocol updates.

03

Quick charge recognition

USB 3.0 port support OPPO phone VOOC

Quick Charge Recognition Mode:
QC2.0, QC3.0, APPLE 2.4A/2.1A/1A/0.5A,
Android DCP, SAMSUNG



Note: This quick charge agreement recognition model is for reference only, because cell phone updated quickly, it can't be absolutely accurate identification



04

Voltage /Current /Power detection

High-definition display, real-time detection of equipment, voltage, current, power, internal resistance, temperature and other multi-function multi-data measurement display, high-precision comparable professional equipment, it's chargers, mobile power and other manufacturers of important portable devices!

05

Capacity/Energy Detection

You can identify the quality of power bank good or bad, and judge the capacity of power bank real or not.



Figure 6: The UM34C screen showing quick charge recognition and various detection modes for comprehensive analysis.

3.3 Settings Adjustment

Navigate through the settings menu using the 'PREV' and 'NEXT' buttons to adjust parameters such as screen brightness (levels 0-5) and auto-off time (0-9 minutes). The device also supports data storage for up to 10 groups of measurements.

MORE VERSATILE

New product upgraded USB3.0

Real-time monitoring of voltage/current/power/capacity/internal resistance/temperature/time and other data, (computer USB, home charger, power bank, car charger) can be used, one screen display, measuring, apply to factory, Laboratory and individual users!



Figure 7: An illustration of the UM34C's internal components and design features, including the Bluetooth indicator light and durable PC materials.

4. MAINTENANCE

To ensure the longevity and accuracy of your Fasizi UM34C USB Meter Tester, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents, which can damage the screen or casing.
- **Storage:** Store the device 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, which can damage internal components.
- **Protection:** The device features a double-sided scratch-resistant and hard PC material. A surface protection film can be uncovered for optimal clarity.

5. TROUBLESHOOTING

5.1 Bluetooth Connection Issues (UM34C Only)

Some Android phones, such as Samsung NOTE8/S8, may experience incompatibility issues with the UM34C's Bluetooth module. If you encounter connection problems, consider the following:

- **Android Version:** Ensure your Android device is running Android 5.0 or higher.
- **App Background Activity:** Allow the UM34C application to run in the background without being cleared by the system.
- **Auto-Start Permission:** Grant the UM34C app permission to auto-start.
- **Screen Lock Activity:** Ensure the app is allowed to remain active even after the screen is locked and is not cleared from memory.
- **Re-pairing:** Try unpairing and re-pairing the device from your phone's Bluetooth settings.

5.2 Inaccurate Readings

If you suspect inaccurate readings:

- Ensure all connections are secure and free of debris.
- Verify the power source and load are within the specified operating ranges of the UM34C.
- Avoid extreme environmental conditions (temperature, humidity) that may affect performance.

6. SPECIFICATIONS

The following table details the technical specifications for the Fasizi UM34C USB Meter Tester:



Figure 8: Physical dimensions of the UM34 and UM34C models, indicating slight differences in height due to the Bluetooth module.

Feature	Specification
Model	UM34C (Bluetooth Communication Version)
Display Screen	1.44 inch Color LCD
Voltage Measurement Range	4.000-24.000V
Voltage Measurement Resolution	0.01V
Voltage Measurement Accuracy	$\pm (0.2\% + 1 \text{ digit})$
Current Measurement Range	0-5.0000A
Current Measurement Resolution	0.001A
Current Measurement Accuracy	$\pm (0.8\% + 3 \text{ digits})$
Capacity Accumulation Range	0-99999mAh
Energy Accumulation Range	0-999.99Wh
Time Measurement Range	0-99h 59min 59s
Load Impedance Range	0.8 Ω -9999.9 Ω

Feature	Specification
Temperature Measurement Range	-10°C to 100°C / 0°F to 200°F
Temperature Measurement Error	± 3°C / ± 6°F
Screen Brightness Adjustment	Level 0-5
Auto Screen Off Time	0-9 minutes
Voltage Graphic Range	0-24.00V
Current Graphic Range	0-4.0000A
Data Storage Groups	10 groups
Refresh Rate	2Hz
Product Size (UM34C)	71.2 x 30.5 x 12.4mm
Product Size (UM34)	71.2 x 30.5 x 11.3mm
Weight	22.87 Grams
Power Source	Battery Powered (via USB input)
UPC	798339964895
Manufacturer Model Number	ELA2424

7. WARRANTY AND SUPPORT

Fasizi products are designed for reliability and performance. For any technical assistance, troubleshooting, or warranty inquiries, please contact the retailer or manufacturer directly. Keep your purchase receipt as proof of purchase for warranty claims.

For the latest information and support resources, please refer to the official Fasizi website or contact their customer service.