BSIDE BSIDE A10

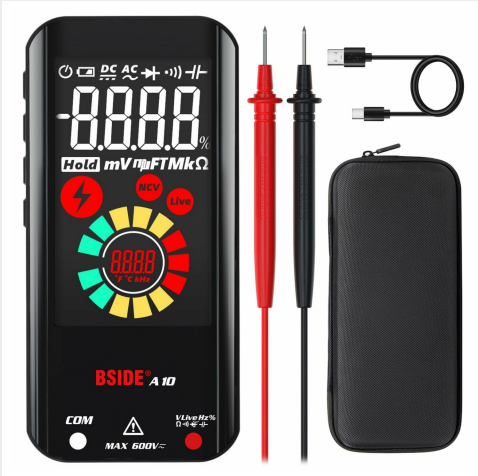
BSIDE A10 Digital Multimeter User Manual

Model: BSIDE A10

1. Introduction

The BSIDE A10 is a new generation digital multimeter designed for ease of use and high efficiency. It features an automatic identification function for tested parameters, simplifying measurements for various electrical tasks. This compact and rechargeable device is suitable for DIY enthusiasts, electricians, students, and anyone requiring precise electrical measurements.

2. Package Contents



This image displays the BSIDE A10 Digital Multimeter along with its complete set of accessories. You can see the main multimeter unit, the red and black test leads, a USB charging cable, and a protective carrying case. These are all the items you should find inside your product package.

- 1 x BSIDE A10 Digital Multimeter
- 1 x Test Leads (Red and Black)
- 1 x Carrying Case
- 1 x Rechargeable Battery (built-in)
- 1 x Charging Cable
- 1 x User Manual

3. Product Features

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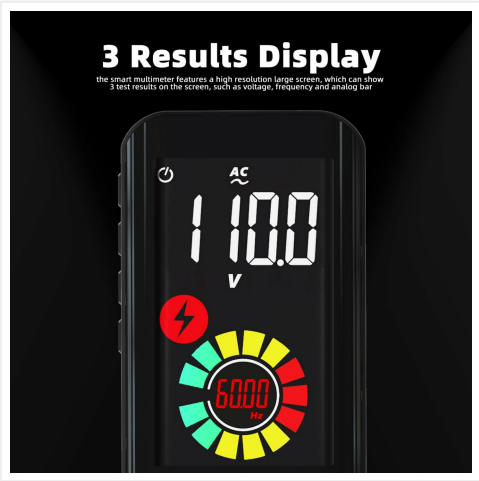
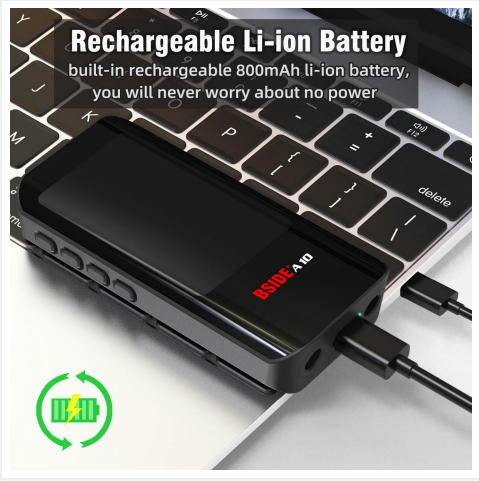
This video provides a 360-degree view of the BSIDE A10 Digital Multimeter, showcasing its compact size, color display, and overall design. It allows users to visually inspect the device from all angles, including the side buttons and input ports, providing a comprehensive understanding of its physical attributes.

- **Color LCD Display:** The multimeter features a vibrant color LCD display, significantly enhancing readability even in challenging lighting conditions.
- **3 Results Display:** The high-resolution screen can simultaneously show up to three test results, such as voltage, frequency, and an analog bar graph, providing comprehensive data at a glance.



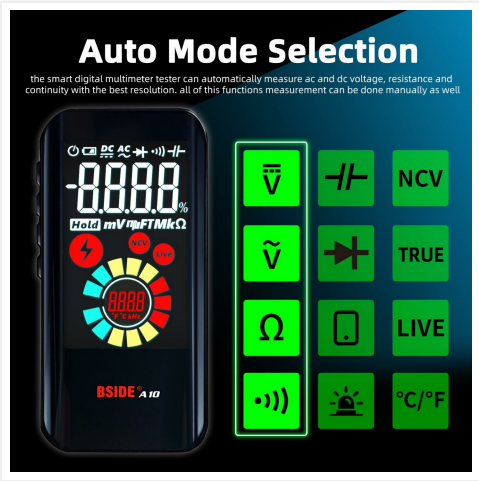
This image illustrates the BSIDE A10's capability to display three measurement results concurrently. The main large number shows the AC voltage, while the smaller number below indicates the frequency. An analog bar graph is also visible, providing a visual representation of the measurement, making it easier to interpret readings quickly.

- **Rechargeable Li-ion Battery:** Equipped with a built-in rechargeable lithium-ion battery, eliminating the need for frequent battery replacements and ensuring continuous operation.



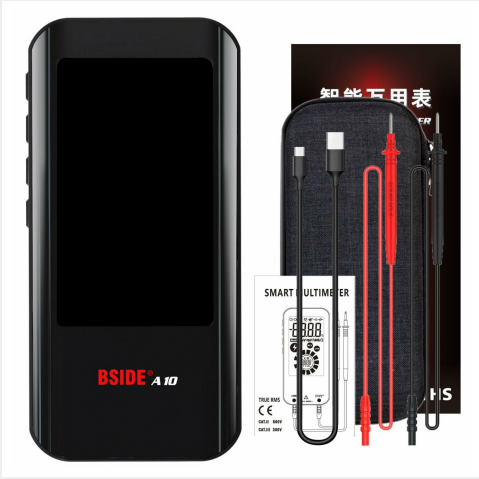
The image shows the BSIDE A10 Multimeter connected to a laptop via its USB charging cable, indicating its rechargeable feature. The green battery icon on the screen confirms the charging status. This design ensures convenience and reduces environmental impact by eliminating disposable batteries.

- **Smart Mode (Auto-Ranging):** The intelligent Smart Mode automatically identifies the parameter being tested and selects the appropriate range, significantly improving testing efficiency and ease of use.



This image highlights the "Auto Mode Selection" feature of the BSIDE A10 Multimeter. The display clearly shows "Auto," indicating that the device is in its smart mode, capable of automatically detecting and measuring AC/DC voltage, resistance, and continuity. Various function icons are also visible, representing the different measurement capabilities of the device.

- **Compact Design with Carrying Case:** Its pocket-sized design and included high-quality carrying case make it highly portable and convenient for on-the-go use.



The image displays the BSIDE A10 Multimeter, its test leads, charging cable, and user manual, all neatly organized within its dedicated carrying case. This illustrates the product's compact design and the convenience of having a protective case for storage and transport, making it ideal for professionals and hobbyists alike.

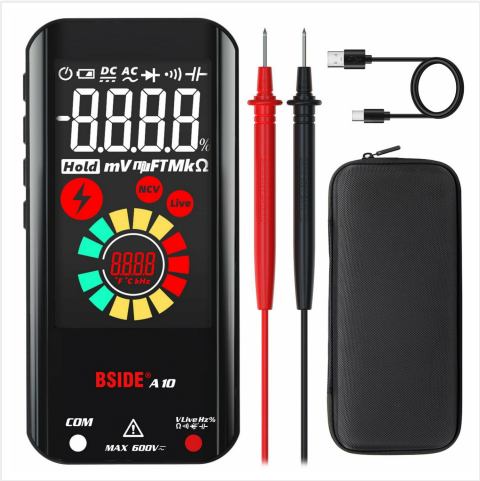
4. Setup

4.1 Initial Charging

Before first use, ensure the multimeter is fully charged. Connect the provided charging cable to the USB-C port on the side of the device and to a standard USB power source (e.g., computer USB port, wall adapter). The battery indicator on the display will show charging status. A full charge ensures optimal performance.

4.2 Connecting Test Leads

Insert the black test lead into the "COM" (common) input jack. Insert the red test lead into the "VΩHz" input jack for voltage, resistance, and frequency measurements. Ensure the leads are securely inserted.



This image shows the BSIDE A10 Multimeter with its red and black test leads properly connected to the input jacks at the bottom of the device. The black lead is in the 'COM' port, and the red lead is in the 'VΩHz' port, indicating readiness for various electrical measurements.

5. Operating Instructions

The BSIDE A10 features a Smart Mode that automatically identifies the measurement type. For specific functions, use the 'FUNC' button to cycle through modes.

5.1 Power On/Off

Press the power button on the side of the device to turn it on. The display will light up, typically showing "Auto" mode. Press and hold the power button to turn it off.

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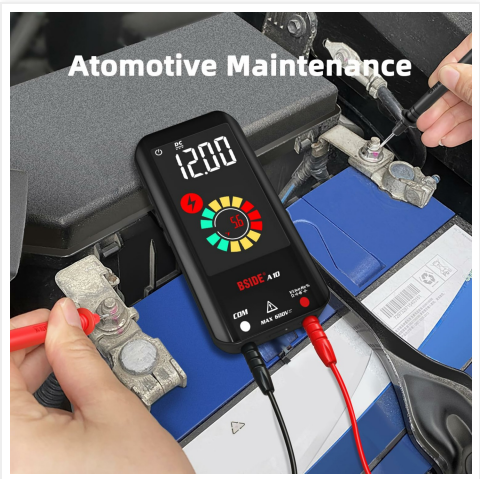
This video demonstrates the unboxing and initial power-on sequence of the BSIDE A10 Multimeter. It shows the device being removed from its case, the protective film being peeled off, and the power button being pressed to activate the device, displaying "Auto" mode on the screen. This provides a visual guide for first-time setup.

5.2 Voltage Measurement (AC/DC)

In Auto mode, the multimeter will automatically detect AC or DC voltage. Connect the test leads across the circuit or component you wish to measure. The display will show the voltage reading.



The image shows the BSIDE A10 Multimeter being used to measure the voltage of a car battery. The red and black test leads are connected to the positive and negative terminals of the battery, respectively. The multimeter's display clearly shows a DC voltage reading, demonstrating its application in automotive maintenance.

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This video demonstrates the BSIDE A10 Multimeter measuring AC voltage from a wall outlet. The test leads are inserted into the outlet, and the multimeter's display quickly shows the AC voltage reading, highlighting its auto-ranging capability for voltage measurements.

5.3 Resistance Measurement

In Auto mode, the multimeter will automatically detect resistance. Connect the test leads across the resistor or component. The display will show the resistance reading in Ohms (Ω), Kilo-ohms (kΩ), or Mega-ohms (MΩ).

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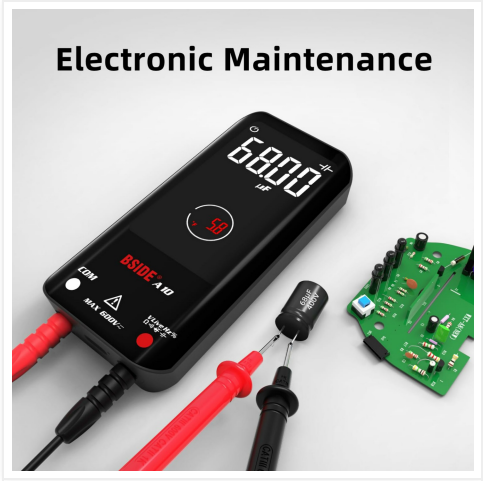
This video segment shows the BSIDE A10 Multimeter performing a resistance measurement on a small electronic component. The test leads are applied to the component, and the multimeter's display shows the resistance value, demonstrating its ability to accurately measure resistance in Auto mode.

5.4 Capacitance Measurement

Press the 'FUNC' button until the capacitance symbol (nF, µF, mF) appears. Connect the test leads across the capacitor. The display will show the capacitance reading.



The image depicts the BSIDE A10 Multimeter in use for electronic maintenance, specifically measuring the capacitance of a large cylindrical capacitor. The test leads are connected to the capacitor's terminals, and the multimeter's screen displays the capacitance value in microfarads (µF), illustrating its utility for component testing.

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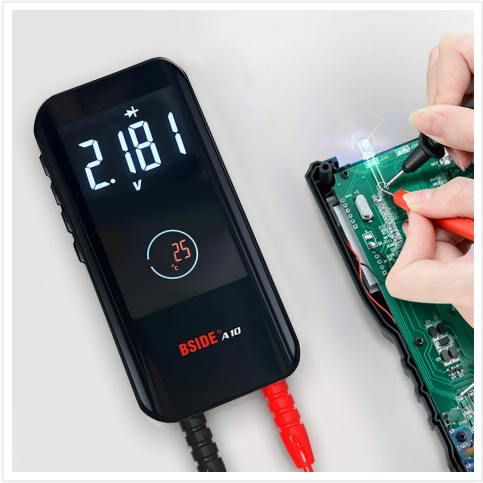
This video segment demonstrates the BSIDE A10 Multimeter measuring the capacitance of a large capacitor. The user connects the test leads to the capacitor, and the multimeter displays the capacitance value, showcasing its functionality for testing electronic components.

5.5 Diode Test

Press the 'FUNC' button to select the diode test mode. Connect the red lead to the anode and the black lead to the cathode of the diode. The display will show the forward voltage drop. If the diode is reversed or open, it will show "OL" (Overload). The multimeter can also light up small LEDs during this test if the voltage is sufficient.



The image shows the BSIDE A10 Multimeter conducting a diode test on a small LED. The LED is illuminated, indicating a successful test and proper functionality. The multimeter's display shows the forward voltage drop across the LED, demonstrating its capability to test diodes and small light-emitting components.

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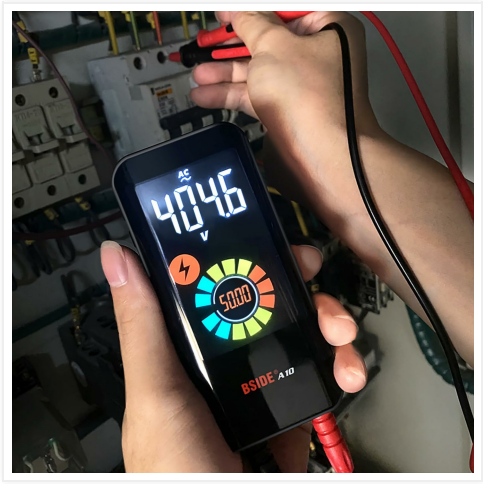
This video segment illustrates the diode test function of the BSIDE A10 Multimeter. The user tests a small LED, which lights up, confirming the diode's functionality and the multimeter's ability to provide a small current for testing such components.

5.6 Non-Contact Voltage (NCV) Detection / Live Check

The A10 features V-Alert (NCV) and Live Check functions. To use NCV, hold the top of the multimeter near a live wire or electrical outlet. The device will beep and the LCD screen will display a stripe pattern, indicating the presence of AC voltage without direct contact. For Live Check, insert the red test lead into the live wire. The display will show "Live" and an alarm will sound.



The image shows a hand holding the BSIDE A10 Multimeter near electrical wiring, demonstrating its non-contact voltage (NCV) detection capability. The multimeter's screen displays an alert, indicating the presence of live voltage without direct physical contact, which is a crucial safety feature for electricians and DIY users.

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This video segment demonstrates the non-contact voltage (NCV) detection feature of the BSIDE A10 Multimeter. The device is held near a power cable, and it emits an audible alarm and displays a visual indicator, confirming the presence of live voltage without direct contact, enhancing user safety.

5.7 Continuity Test

In Auto mode, if the resistance is less than 50Ω, the beeper will sound, indicating continuity. This is useful for checking circuits, fuses, and wires for breaks.

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This video segment shows the BSIDE A10 Multimeter performing a continuity test. When the test leads are connected to a conductive path, the multimeter emits a clear beeping sound, indicating continuity. This feature is essential for quickly checking circuit integrity.

5.8 Data Hold Function

Press the 'HOLD' button to freeze the current reading on the display. Press it again to release the hold function.

6. Maintenance

6.1 Cleaning

Wipe the multimeter and test leads with a dry, clean cloth. Do not use abrasive cleaners or solvents. Ensure the device is powered off before cleaning.

6.2 Storage

When not in use, store the multimeter and its accessories in the provided carrying case to protect it from dust, moisture, and physical damage. Store in a cool, dry place away from direct sunlight.

6.3 Battery Care

The built-in rechargeable Li-ion battery should be charged regularly, even if the device is not frequently used, to maintain battery health. Avoid fully discharging the battery for extended periods.

7. Troubleshooting

Problem	Possible Cause	Solution
Multimeter does not power on.	Low or depleted battery.	Charge the multimeter using the provided USB cable.
"OL" (Overload) displayed during measurement.	Measurement exceeds the device's range or open circuit.	Ensure the measurement is within the specified range. Check for open circuits or broken wires.
Inaccurate readings.	Poor connection of test leads; environmental interference.	Ensure test leads are securely connected. Avoid strong electromagnetic fields during measurement.
NCV/Live Check constantly beeping.	Strong electrical fields nearby.	Move away from strong electrical sources (e.g., large batteries, power panels) as the EMF sensor is highly sensitive.

8. Specifications

Parameter	Specification
Max Display	6000 counts
Display Type	Color screen

Parameter	Specification
Screen Size	3.2 inch
DC Voltage	0V-600V ±(0.8%+3); Resolution: 0.001V
AC Voltage	0V-600V ±(1.2%+5); Resolution: 0.001V
Resistance	0.1Ω-10MΩ ±(1.2%+3), 10MΩ-60MΩ ±(2.0%+10); Resolution: 0.1Ω
Capacitance	1nF-1.00mF ±(3.5%+8), 1mF-60.00mF ±(4.5%+10); Resolution: 0.001nF
Frequency	10Hz-10MHz ±(2.0%+10) (ACV: 3V-600V); Resolution: 0.1Hz
Duty Cycle	0.1%-99.9% ±(1.5%+5); Resolution: 0.1%
Diode Test	Auto identify diode if less than 3.0V
V-Alert (NCV)	Alarm beep sounds, LCD screen display stripe
Live Check	Alarm beep sounds, LCD screen display stripe
Continuity	If resistance is less than 50Ω, beeper sounds
Power	Rechargeable 3.7 V * 1 battery (built-in)
Size	113.3*54.2*22mm (4.45 x 2.13 x 0.87 inches)
Weight	102g (3.6 ounces)

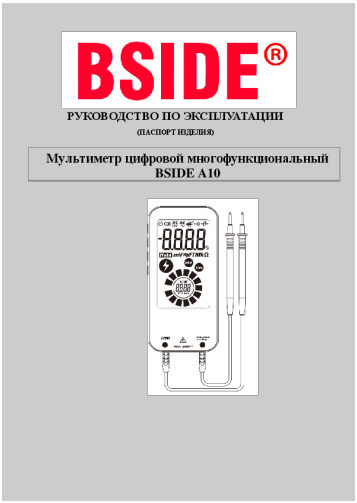
9. Safety Information

Always observe basic safety precautions when using the multimeter to reduce the risk of fire, electric shock, or personal injury.

- Do not exceed the maximum input values specified for each measurement range.
- Do not use the multimeter if it or the test leads appear damaged.
- Ensure the test leads are properly connected to the correct input jacks for the desired measurement.
- Do not use the multimeter in wet environments or with wet hands.
- Be cautious when working with voltages above 30V AC RMS, 42V peak, or 60V DC, as they pose a shock hazard.
- Disconnect power to the circuit and discharge all high-voltage capacitors before measuring resistance or continuity.
- Keep the device away from strong electromagnetic fields, which can affect readings.

10. Warranty and Support

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official BSIDE website. Keep your purchase receipt as proof of purchase for warranty claims.
Manufacturer: BSIDE
Model: BSIDE A10



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Курбатова Надежда Инструкция Мини мультиметр цифровой с цветным дисплеем и встроенным аккумулятором BSIDE A10 купить в интернет магазине Топрадар Москве

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