

BSIDE S4X AC Voltage Tester Single Pole

BSIDE S4X AC Voltage Tester User Manual

Model: S4X AC Voltage Tester Single Pole

INTRODUCTION

The BSIDE S4X AC Voltage Tester is a versatile and essential tool for electricians, maintenance personnel, and anyone needing to safely detect AC voltage. This rechargeable non-contact voltage detector pen features a super large color LCD, allowing for clear readings and various testing functions. It is designed for ease of use, enabling one-handed operation for efficient and safe electrical work.

Key features include:

- Automatic measurement of AC voltage without direct cable contact.
- Non-contact voltage (NCV) detection with audible buzzer alarm.
- Ability to test live lines using a sharp probe.
- Functionality to locate interruption points in live conductors.
- Bright LED flashlight for working in dimly lit areas.
- Rechargeable internal battery for convenience and environmental protection.

SETUP

Charging the Device

Before first use, or when the battery indicator shows low power, charge the BSIDE S4X tester using the provided charging cable.

1. Locate the charging port on the device.
2. Connect the charging cable to the tester and a suitable USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator light will illuminate during charging.
4. Once fully charged, the indicator light may change or turn off. Disconnect the cable.



Image: The BSIDE S4X tester connected to a USB charging cable, illustrating its rechargeable Li-ion battery feature.

OPERATING INSTRUCTIONS

Power On/Off

To power on the device, press the power button. The device will automatically shut off after 5 minutes of inactivity to conserve battery.

Contacted AC Voltage Test

This function allows for a direct measurement of AC voltage. It is suitable for testing terminals, sockets, or supply lines.

1. Ensure the device is powered on.
2. Press and hold the black button (contact test button).
3. Touch the sharp probe of the tester to the metal part of the circuit or terminal you wish to test.
4. The AC voltage value (12V-300V) will be displayed on the LCD screen. Note that these values are approximate.

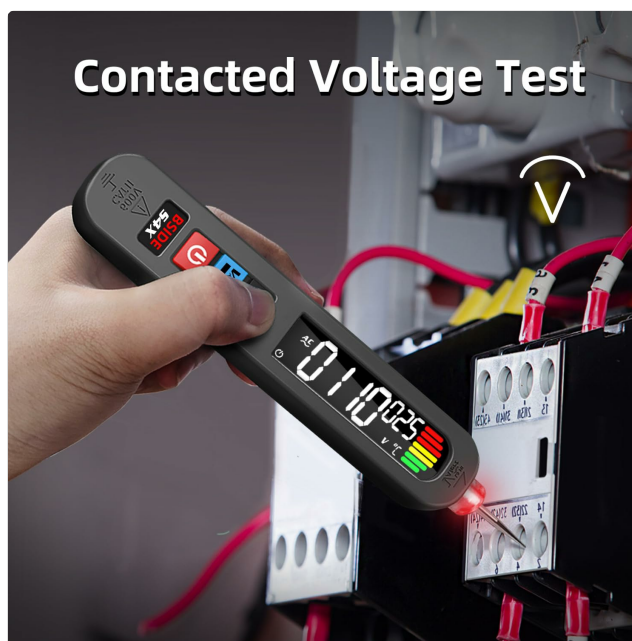


Image: A hand demonstrating the contacted voltage test by touching the tester's probe to an electrical terminal, with the LCD displaying a reading.

Non-Contact Voltage (NCV) Detection (V-Alert)

The NCV function allows you to detect the presence of AC voltage without direct contact, useful for identifying live wires or dangerous voltage levels.

1. Press the V-Alert button to activate the non-contact voltage detection mode.
2. Move the tip of the tester close to the wire or electrical component you suspect has voltage.
3. If AC voltage is detected, the device will emit a buzzer alarm and the LCD will indicate the presence of voltage.



Image: The BSIDE S4X tester performing a V-Alert (non-contact voltage detection) near a bundle of electrical wires, showing the detection indicator.

Live/Neutral Wire Check

This function helps distinguish between live and neutral wires in a circuit.

1. Touch the sharp tip of the tester to the wire you want to check.
2. If it's a live wire, the backlight will illuminate, and an alarm sound will be emitted.
3. If it's a neutral wire, there will be no signal or alarm.



Image: Comparison of the BSIDE S4X tester detecting a neutral wire (no signal) versus a live wire (backlight and alarm).

Breakpoint Location

The tester can help locate interruption points in live conductors.

1. Move the tester along the length of the live conductor.
2. The device will indicate the presence of voltage up to the point of interruption.
3. The signal will cease or significantly weaken past the breakpoint, helping you pinpoint the fault.

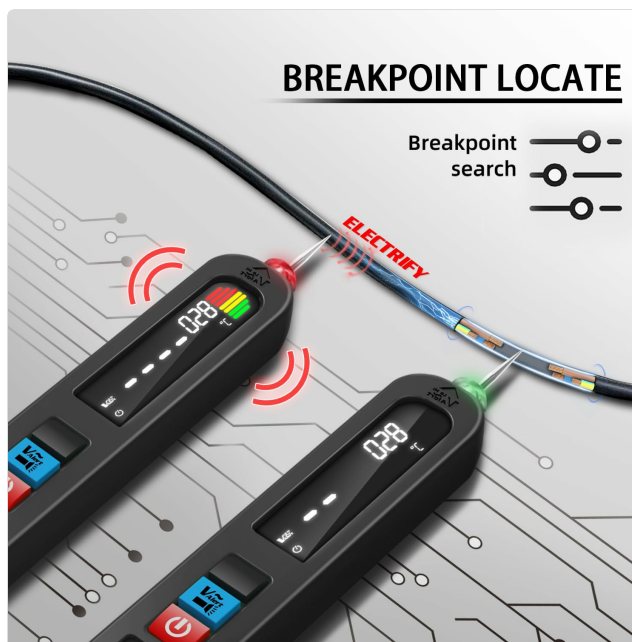


Image: Two BSIDE S4X testers demonstrating the breakpoint locate function on a cable, showing how to find an interruption in the live conductor.

LED Flashlight Function

The built-in LED flashlight assists in working in dark or poorly lit environments.

- Press the flashlight button to turn the LED light on or off.
- Use the flashlight to illuminate electrical panels, wiring, or other dark spaces during testing or repair.



Image: The BSIDE S4X tester's bright LED flashlight illuminating a dark electrical panel, demonstrating its utility in low-light conditions.

Environment Temperature Tester

The device can also function as an ambient temperature sensor.

- The LCD screen can display the ambient temperature.
- This feature provides additional environmental data during your testing applications.



Image: A hand holding the BSIDE S4X tester, with the LCD screen showing an environmental temperature reading.

MAINTENANCE

- **Cleaning:** Wipe the device with a dry, clean cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tester in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods.

TROUBLESHOOTING

- **Device not turning on:** Ensure the battery is charged. Connect the charging cable and allow it to charge for at least 30 minutes before attempting to power on again.
- **Inaccurate readings:** Ensure proper contact for contacted voltage tests. For NCV, ensure no strong electromagnetic interference is present. Readings are approximate; for precise measurements, use a multimeter.
- **No NCV detection:** Ensure the V-Alert button is pressed. Check if the voltage is within the detectable range (up to 1000V AC).

SPECIFICATIONS

Specification	Value
Display	Colour LCD
Sampling Rate	0.5 seconds
AC Voltage Range (Contact)	12 V - 300 V
Resolution	1 V
Accuracy	±5%
NCV AC Voltage Range	Up to 1000 V
Ambient Temperature Range	0-50°C ± 2.0°C
Auto Power Off	5 minutes
Power Supply	3.7 V battery (built-in, rechargeable)
Product Dimensions	166 x 28 x 23 mm (16.6 x 2.8 x 2.3 cm)
Item Weight	84 g
Min. Operating Voltage	12 Volts (AC)
Certification	CE
Measurement Type	AC voltage tester, electricity tester, phase tester

PACKAGE CONTENTS

The BSIDE S4X AC Voltage Tester package includes:

- BSIDE S4X AC Voltage Tester
- Charging Cable
- English User Manual

WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in your

package for specific terms and conditions.
For technical support, troubleshooting assistance, or warranty claims, please contact the manufacturer or your point of purchase. Keep your purchase receipt as proof of purchase.

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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

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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