Weikani VT120 Non-Contact Voltage Tester Operating Instruction

Contents

Weikani

Weikani VT120 Non-Contact Voltage Tester

Instruction

This unit is a non-contact AC voltage detector for detecting 60V-1000V AC voltage. When it detects AC voltage, the detection light will flash red and the buzzer will sound short beeps. In addition, the flashlight will light white for illumination when pressing the flashlight button tightly.

Features

1. Safe, reliable non-contact AC voltage detection.
2. You can use this unit to check whether a cable, wire, or socket contains AC voltage.
3. Illumination function
4. Low battery indication

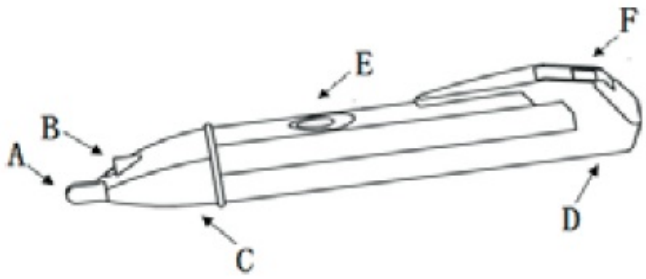
Specification

- **Operating Environment**: -10°C to 50°C
- **Voltage Detecting Range**: 60V AC to 1000V AC
- **Frequency Range**: 50Hz / 60Hz
- **Safety Category**: CAT IV
- **Battery**: 2 x AAA battery
- **Size**: 150mm x 20mm x 27mm

- **Weight**: 30g

Structure

- **A:** Sensing tip
- **B:** Flashlight
- **C:** Detection light
- **D:** Buzzer
- **E:** Flashlight button
- **F:** Open button



Operating instruction

Testing the unit prior to use:

- Press the flashlight button tightly, and confirm whether the light of the flashlight is dim. If the light is dim, the batteries are low and must be replaced immediately.
- Move the unit’s sensing tip close to a known AC power source (such as an outlet). If the buzzer beeps and the detection light flashes red, the unit is good and can be used.

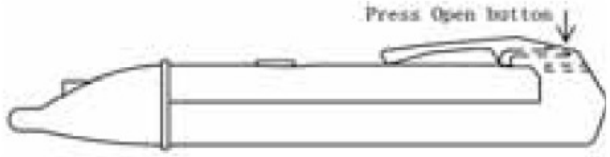
Detecting AC voltage:

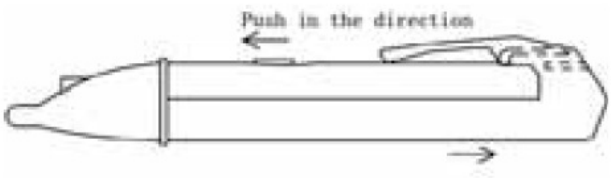
- Move the unit’s sensing tip close to the wire or socket to be tested. When the unit detects AC voltage, the buzzer will beep and the detection light will flash red.

Note: When you move the unit’s sensing tip close to an object with static charge, the unit may give an alarm; and when you move the unit’s probe close to an iron object near which there is AC current, the unit may also give an alarm.

Battery replacement

1. Remove the battery cover and replace the old batteries with two new batteries of the same type (1.5V battery, AAA or equivalent), making sure that the polarity connections are correct.
2. Reinstall the battery cover.
3. Follow the pictures below to remove the battery cover.





Note:

1. Don’t use the unit to detect an AC voltage below 60V AC or above 1000V AC. Do not use the unit for any DC voltage detection.
2. If there are several lines, such as 2-phase wires or 3-phase wires, separate them far enough apart from each other and perform voltage detection on each line.
3. Because the unit’s detection limit and the detection distance can affect detection, the object under test may be live even if the buzzer does not beep and the detection light does not flash. To avoid electric shock and personal injury, don’t touch any naked conductor with hand or skin.
4. Due to the interference caused by the electric field in the environment, the unit may give an alarm even if the object under test does not contain AC voltage. To avoid false alarms, don’t use the unit in an intense electric field environment.
5. Do not use the unit if it is damaged or operates abnormally.
6. Do not use the unit for detection on any shielded conductor.

FEATURES

- Safely finds AC voltage without touching live lines with non-contact AC voltage detection.
- The voltage range it can find is from 60V to 1000V AC.
- **Dual Range Detection:** It can find both low and high-voltage bands.
- **LED Flashlight:** A bright LED flashlight is built in to make it easy to use in dark places.
- **Audible and Visual Alerts:** A red flashing light and a beeping sound let the user know that power is present.
- **Low Battery Indicator:** The device lets you know when the battery is running low so that you can get accurate results.
- It is small and light, measuring 150 mm x 20 mm x 27 mm and weighing 30 g. It is easy to carry around.
- The ergonomic design makes it easy to use with one hand and provides a comfortable grip.
- **Battery-Powered:** It runs on two AAA batteries, which are easy to change.
- The safety level is CAT IV, which means it can be used on 400V industrial devices.
- **High Frequency Detection:** Works in the 50Hz to 60Hz frequency band.
- **Auto Power-Off:** This feature turns off the device automatically after a certain amount of time to save battery life.
- **Built to last:** The plastic case is strong so it will last for a long time.
- There is a wide range of temperatures that it can work in, from -10°C to 50°C.
- **Shockproof Design:** This keeps you from getting an electric shock while you’re using it.
- Safe for Use at Home and in the Workplace: Works for electricians, homes, and people who like to do their own projects.
- **LED Status Indicator:** A clear visual sign that power is present.
- **No Touching Live Wires:** Make sure everyone is safe by checking for power without touching the wires directly.

- It can be used for many things and is great for finding voltage in lines, outlets, circuit breakers, and cables.
- CE certification means that the product meets European safety standards, which guarantees that it is reliable and safe.

PRODUCT OVERVIEW

Electrical symbol

- ~ Alternating current
- ⚠ Caution, risk of danger, refer to the instruction sheet before use
- ⚠ Caution, risk of electric shock
- CE Conforms to European Union directives
- ⧈ The equipment is protected throughout by double insulation or reinforced insulation

Declaration

1. This Instructions Sheet is subject to change without notice.
2. Our company will not take responsibility for any loss.
3. The contents of this Instructions Sheet cannot be used as a reason to use the unit for any special application.

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FREQUENTLY ASKED QUESTIONS

What is the primary function of the Weikani VT120 Non-Contact Voltage Tester?

The Weikani VT120 is designed to detect AC voltage ranging from 12V to 1000V without making physical contact with live wires, ensuring user safety during electrical work.

How does the Weikani VT120 indicate the presence of voltage?

The Weikani VT120 uses both visual (flashing LED light) and audible (beeping sound) indicators to alert users when AC voltage is detected.

What safety features are included in the Weikani VT120?

The Weikani VT120 features a non-contact design, an insulated probe tip, and a built-in flashlight for visibility in dark areas, enhancing user safety.

What is the operating temperature range for the Weikani VT120?

The Weikani VT120 operates effectively within a temperature range of 32°F to 104°F (0°C to 40°C).

Can the Weikani VT120 be used for both AC and DC voltage testing?

Weikani VT120 is specifically designed for detecting AC voltage only.

What types of applications can the Weikani VT120 be used for?

The tester is suitable for various applications, including checking outlets, circuit breakers, light fixtures, and appliances to ensure they are live.

How does one operate the Weikani VT120 effectively?

To use the Weikani VT120, simply hold it near the wire or outlet being tested; if voltage is present, it will beep and flash.

What type of battery does the Weikani VT120 require?

The Weikani VT120 typically operates on two AAA batteries, which are usually included with the purchase.

What should I check if my Weikani VT120 gives false positives when testing?

False positives may occur due to electromagnetic interference from nearby devices; ensure you are testing away from other electrical sources.

Does the Weikani VT120 come with any warranty?

Weikani VT120 typically comes with a limited warranty against defects in materials and workmanship; check specific retailer details for warranty duration.

What is the lead length of the Weikani VT120?

The Weikani VT120 features a lead length that allows for easy access to hard-to-reach areas while maintaining safety during testing.

What should I do if my Weikani VT120 Non-Contact Voltage Tester does not beep or light up when near a live wire?

If the Weikani VT120 does not respond, first check that you are within the voltage detection range of 12V to 1000V. If it still does not activate, inspect the tester for any visible damage and replace the batteries if necessary.

How can I verify that my Weikani VT120 is functioning properly before use?

To verify the functionality of the Weikani VT120, test it on a known live circuit. If it beeps and the LED indicator lights up, the tester is operational.

What should I do if my Weikani VT120 gives inconsistent readings?

Inconsistent readings may be caused by electromagnetic interference or improper contact. Ensure you are testing in an area free from other electrical devices and check that the tester is functioning correctly.

Is there a specific temperature range for using the Weikani VT120?

Weikani VT120 operates effectively within a temperature range of 32°F to 104°F (0°C to 40°C). Avoid using it outside this range for accurate readings.

VIDEO – PRODUCT OVERVIEW

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DOWNLOAD THE PDF LINK:

https://manuals.plus/wp-content/uploads/2024/10/Weikani-VT120-Non-Contact-Voltage-Tester-Operating-Instruction-Voltage-Tester-Operating-Instruction.mp4

References

- User Manual