

## Non-contact Voltage detector User manual

### Warning

Please read the instruction manual carefully before use and strictly observe the safety rules and the caution, attention and warnings listed in the instruction manual.

### Safety instruction

#### Warning

To avoid possible electric shock or personal injury:

- If the voltage detector is not used correctly according to the instruction, the protection function provided by the detector may be affected or invalidated.
- Do not use the instrument if the display screen is

non-display.

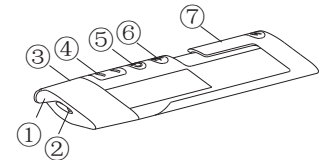
- Before using the voltage detector, please test the known power supply to ensure that the voltage detector is in good working condition.
- When using voltage detector, even if there is no indication or no sound alarm, there may still be voltage. This voltage detector indicates the effective voltage when a supply voltage generates enough intensity electrostatic field. If the field strength is very weak, voltage detector can't detect the existence of voltage. The existence of voltage may be affected by several factors, including but not limited to: shielded wire or cable, thickness and type of insulation layer, distance from the voltage source, complete

insulation, differences in socket design, etc.

- Do not use if it is damaged or unable to work properly. Before using, check whether the tip of the probe is cracked or broken. If there is a question, please send it to repair in time.
- Do not apply the rated voltage exceeding the marking on the voltage detector.
- When testing voltages above 30 volts, be extra careful, because such a voltage is at risk of electric shock.
- Comply with local and national safety regulations and use appropriate protective equipment in accordance with local or national authorities.

### The Meter Structure

- ① Probe (NCV sensor)
- ② Flashlight
- ③ Signal indicator
- ④ LED Display
- ⑤ Power switch
- ⑥ sensitivity/Flashlight (With sensitivity indicator)
- ⑦ Battery cover



### Operation description

#### Power on/off

Press the power key and keep up for more than 1 second. The buzzer beeps once, the Power LED lit up and the instrument entered the test state. When the power on, power key was pressed to shut down .



## High/low sensitivity

When the power is opened, the low sensitivity test state is defaults. Press the sensitivity / flashlight key (less than 1 second) to switch between high sensitivity and low sensitivity. When the sensitivity indicator light is lit, it is a highly sensitive test state. When the sensitivity indicator is off, it is a lowly sensitive test state.

Notes:

High sensitivity: 12~1000V

Low sensitivity: 48~1000V

## Flashlight

Press the sensitivity / flashlight key and hold for more than 2 seconds. The flashlight is opened; The flashlight is closed by pressing the sensitivity / flashlight key and holding for more than 2 seconds.

## AC voltage detection

The voltage detector probe is placed near the AC voltage. When

the voltage is induced, the signal indicator will be lit. The signal intensity indicator will become more or less with the signal intensity, and the beep hint will become faster or slower with the signal intensity.

Note 1: Under normal condition, the live wire and neutral wire can be identified according to the signal intensity detected by the detector.

Note 2: When distinguishing the live wire from the neutral line, separate the two lines as far as possible to detect them. If they cannot be separated, they can be distinguished according to the signal intensity detected. The strength of the detected signal for the live wire is strong. The detected signal strength for the neutral wire is weak.

## Auto power off

When there is no induction signal or no operation within about 5 minutes, the instrument will shut down automatically to extend the battery life.

## Low battery indicate

When the battery voltage drops to less than 2.5 volts, the power LED will flash. When the battery voltage drops to less than 2.3 volts, the voltage detector will automatically turn off. When low battery tip, please replace the battery.

## Technical specifications

Detection voltage:

AC voltage: 12~1000V, 50/60Hz

Application environment:

Operating temperature: 0~40℃

Storage temperature: -10~50℃

Humidity: ≤95%

Altitude: ≤2000m

Safety compliance:

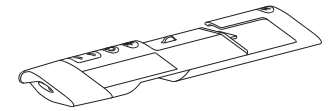
CAT.III 1000V

CAT.IV 600V; CE

Battery: 2×1.5V AAA

## Replace the battery

Press the snap and push the battery cover off the body, remove the batteries, and insert the positive terminal of the new battery toward the tip of the tester.



## Warning:

To avoid electric shock, do not use the voltage detector to detect voltage before the battery cover is buckled and locked.

## Clean

Clean with a wet cloth.

Notes: After cleaning, the voltage detector must be dried before it can be used.