

HTC™

NON-CONTACT VOLTAGE DETECTOR

User Manual



AC-VI

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 STATEMENT

Warning

To avoid possible electric shock or personal injury:

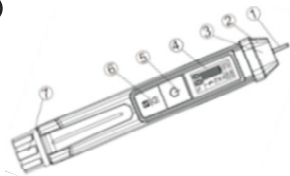
- If the voltage detector is not used according to the instruction, the protection function provided by the electric pencil may be affected or invalidation.
- Do not use if the display is not displayed.
- Before using the voltage detector, please test the known power supply to ensure that the voltage 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. 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 wires/cables, thickness and type

of insulation, distance from voltage sources, differences in complete insulators, socket design, etc.

- Do not use voltage detector 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 Display
- ⑤ Power switch
- ⑥ Sensitivity/Flashlight
- ⑦ Battery cover



OPERATION DESCRIPTION

POWER ON/OFF

- Press the power key and keep up for more than 1 second. The bee buzzed, the screen lit up and entered the test state. When the power on, power key was pressed and the bee turned to shut down.
- **HIGH/LOW SENSITIVITY**
Load the battery , press power key, the pen turns on, and default high sensitivity test status. When the power key is pressed to shut down, the test status is automatically memorized. When the battery is off, the default is restored to high sensitivity. The

sensitivity / flashlight key (less than 1 second) can be switched at high and low sensitivity.

NOTES :

High sensitivity : 12V~1KV

Low sensitivity : 70V~1KV

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.
- No signal and no operation will be automatically closed after 5 minutes.

AC VOLTAGE DETECTION

The voltage detector probe is placed near the AC voltage. When the voltage is induced, the signal light will be lit. The bargraph of the screen will become higher or lower as the voltage signal intensity is induced, and the beep beep hint will become faster or slower with the signal intensity, and percentage value will become higher or lower with the signal intensity.

Note 1: because the socket structure is different, when not by the backlight color change to distinguish the Live and neutral, generally according

to the detected signal intensity to distinguish.

Note 2: Distinguish Live and neutral, if Live and neutral is near, the two lines can be separated as far as possible; it is true that it is not separable and can be distinguished according to the intensity of the signal. One of the strong signals is live wire and neutral wire with weak signal.

AUTO POWER OFF

After about 5 minutes without any operation and No signal detection, the voltage detector will be automatically shut down to extend the battery life.

LOW BATTERY INDICATE

When the battery voltage drops to less than 2.5 volts, the display will display " " symbol. 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

operating voltage :

AC voltage :12~1000V,

50/60Hz

application environment :

operating temperature : 0~40°C

Storage temperature : -10~50°C

Humidity : ≤95%

Altitude : ≤2000m

Safety Compliance :

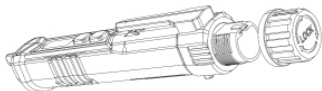
CAT.III 1000V

CAT.IV 600V ; CE

Battery : 2×1.5V AAA

REPLACE THE BATTERY

Rotate the battery cover as shown below, then remove the old battery and install the new battery according to the positive and negative instructions of the battery.



To avoid electric shock, the battery cover should not be tested with voltage probe before locking.

CLEAN

Clean with a wet cloth.

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