

Non-contact AC Voltage Tester

Operation Manual



Warning: Special attention is required when using this device, because the improper use may cause damages to this device or bodily injuries. Please fully abide by the safety rules and safety measures as provided for herein.

Structural Diagram

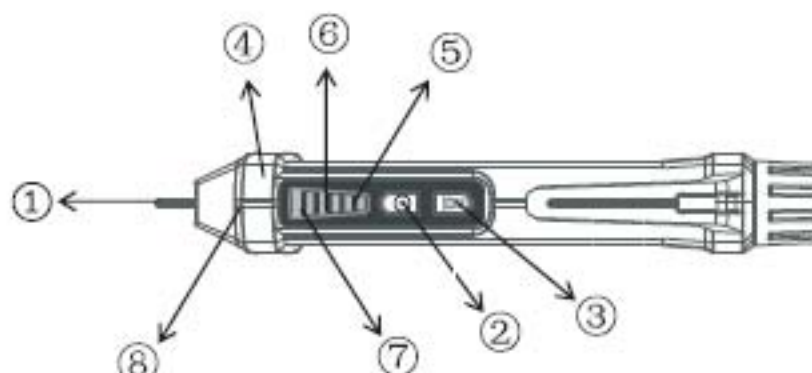
① Probe (NVC sensor)

② Power switch

③ Electric torch switch

④ Induced voltage indicator lamp

⑤ Signal intensity indicator lamp (low)



⑥ Signal intensity indicator lamp (moderate)

⑦ Signal intensity indicator lamp (strong) - red ⑧ Electric torch illumination lamp

Operating Instructions

AC Voltage Detection

Turn on the instrument's power switch (2), and the power indicator lamp (white) illuminates. Allow the instrument's probe to contact the power socket or to get near the live wire. If the instrument detects AC voltage, its induction indicator lamp (4) will flash. The relevant signal intensity indicator lamps (low, mid, high) light up, depending on the signal intensity detected, and the buzzer makes the different alarm sound. If the instrument detects common AC signal, the signal intensity indicator lamp (low) alone lights up; if it detects higher AC signal, the signal intensity indicator lamps (low, mid) both light up; if it detects highest AC signal, the signal intensity indicator lamps (low, mid, high) all light up.



Warning

1) If the AC voltage is detected, this indicates the presence of voltage, even though there is no alarm indication. The presence of voltage cannot be judged by the non-contact voltage tester. The detecting operation may be affected by such factors as socket design, insulation thickness and insulation type.

2) Before the instrument is used for detecting the AC voltage of the power socket etc, the test pencil should be tested on the given live circuit, to make sure that it may work well.

Specifications

| | |
|----------------------|-----------------------------|
| Technical indicators | |
| Range of AC voltage | 12 ~1000V |
| Frequency | 50 Hz /60Hz |
| Alarm mode | Sound and light alarm |
| Electric torch | White LED illumination lamp |

| | |
|---------------------------------|---|
| Auto shutdown | √ |
| Low-voltage indicator lamp | √ |
| Zero/live line judgment | Sound (different frequency) and LED lamp |
| NCV sensitivity | Selecting 3 types of sensitivity automatically (low, mid, high) |
| NCV sensitivity indication mode | The instrument uses the alarm sound of different frequency and LED lamp of different color to indicate low, moderate or high sensitivity. |
| General parameters | |
| Power source | 2×1.5V AAA cell |
| Product size | 156mm×20mm×20mm |
| Product weight | 45g |
| Security level | CE CAT.III 1000V/CAT.IV 600V |
| Service temperature | 0~40°C |
| Storage temperature | -10~50°C |
| Altitude | <2000m |

Auto Shut-down

If the instrument is not operated and detects no AC voltage within three minutes, it will turn off automatically.

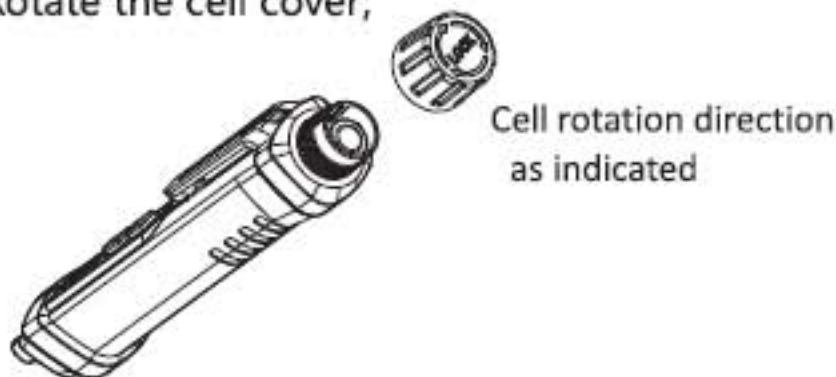
Low voltage indicator lamp: when the cell voltage is less than around 2.6V, the power indicator lamp will flash three times for alarm, and the buzzer will sound once, before the instrument turns off automatically. The cell is to be replaced.

Electric torch: the electric torch lights up when the electric torch switch ③ is pressed, and goes out when the switch is again pressed. If the switch is turned on, the electric torch will go out automatically 5 minutes later.

Cell Replacement:

As per the diagram below:

- 1) Rotate the cell cover;



- 2) Take out the used cell;
- 3) Put a new cell in as per cell anode and cathode indication.

Warning: To avoid electric shock, do not use this instrument before the cell cover is replaced.

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