

NON CONTACT VOLTAGE DETECTOR



WARNING

READ AND UNDERSTAND THIS MANUAL BEFORE USING THE TESTER.

1. Safety notice

1.1 To prevent electrical shock or harmful of human body, please read carefully this manual before use this instrument to test the AC voltage, otherwise all the protection function will be useless to the user.

1.2 If power indicator don't turn on, don't attempt to use this instrument.

1.3 Before use, please try it at the known AC cable to sure it work fine.

1.4 When detect the AC voltage with this instrument, if no any led or sound heard, still have the chance have AC/ DC voltage existing, due to this instrument is to detect the electrical field strength of AC signal, if this signal was block due to shielding cover on or interference by other strong high frequency signal, the thickness of insulation material, the distance of the ac signal (inside the wall or cover by metal duct) etc.

1.5 If instrument was damaged or mal-function , don't use this instrument. Please page attention of the test pin, if found any broken or cracked, please send it back to manufactory for repair.

1.6 Please don't placed over voltage in this instrument as marked range (<1000 AC).

- 1 -

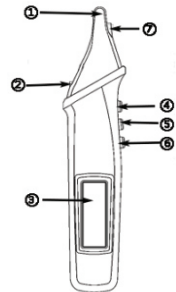
1.7 If the detected AC voltage over 30V, please be careful of the electrical shock.

1.8 Please comply with the local safety regulation.

1.9 Please comply with the national safety regulation or rule to protect the end user with right protected device.

2. Panel description

- 1) Detect pin (NCV sensor)
- 2) Torch
- 3) Signal strength LCD
- 4) Power button
- 5) Torch On/Off button
- 6) Sensitive adjustment key
- 7) LED indicator



3. Operation instruction

3.1 Power On/Off instrument :

Power On: Depress "Power button" key more than a second to turn it on.(The voice alarm play: Power on)

Power Off: Depress "Power button" key once to turn it off.(The voice alarm play: Power off)

- 2 -

3.2 Turn torch On/Off :

Turn torch On: Depress "Torch On/Off" button to turn torch on.(The voice alarm play: Floodlight on)

Turn torch Off: When torch on, depress "Torch On/Off" button once to turn it off.(The voice alarm play: Floodlight off)

3.3 AC voltage detection:

Insert the detect pin into the AC power socket or close to the AC cable that suppose have AC voltage there, if instrument detected a AC signal, it will light up the signal led. The AC signal have three different range, weak, middle and strong, it will light up the respected led at the same time.(The voice alarm play: Low voltage caution or High voltage danger.)

3.4 Sensitive adjustment:

The instrument is equipped with 3 sensitivity gears for selection. When the instrument is power on, it will enter the lowest gear by default. Press the S key to enter the next sensitivity gear (The voice alarm play: Sensitivity gear 2); Press the S key again to enter the sensitivity of the next higher gear

- 3 -

(The voice alarm play: Sensitivity gear 3); Press the S key again to re-enter the Sensitivity of the lowest gear (The voice alarm play: Sensitivity gear 1), and then cycle.

3.5 Auto power off:

If no any signal or key in detected, instrument will be turn off after 3 minutes.

3.6 Low battery indication:

If battery voltage lower than 2.6V, power indicator will blinking 3 time and buzzer sound once, then unit turn off. Please to replace with new battery immediately.

3.7 Replace battery:

Please use finger nail to press down the battery door lock, then take off the battery cover, insert two AAA size battery into battery compartment with correct polarity. (battery positive contact face outside).

- 4 -

4. Technical specification

AC voltage detection	about 12 to 1000V
Detected frequency	50/60Hz
Alarm mode	LED and sound
Torch	White color led
Indicator	Red LED
Zero line and Live	According to detected signal strength line determination to determine it is zero or live wires .
NCV sensitivity	Adjust the sensitivity by sensitivity adjustment key.
NCV signal strength	NCV detected signal strength (weak/middle /strong), and voice alarm once.
Operate temperature	0~40°C
Storage temperature	10-50°C
Altitude	Less than 2000 meter
Safety grade	CE CAT II 1000V CAT III 600V
Power supply	2 X 1.5V AAA size battery
Product dimension	174x34x23mm
Product Weight	60g

- 5 -