

Non-Contact AC Voltage Detector and LED Flashlight (VT120)

Instruction:

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

Features:

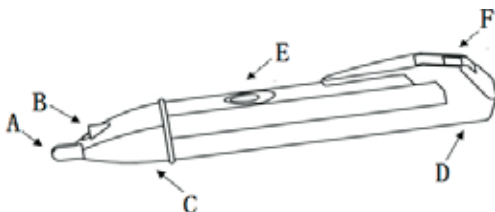
1. Safe, reliable non-contact AC voltage detection.
2. You can use this unit to check whether a cable, wire or socket contains AC voltage.
3. Illumination function
4. Low battery indication

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:

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

Move the unit's sensing tip close to the wire or socket to be tested. When the unit detects AC voltage, buzzer will beep and 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 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 alarm.

Battery replacement:

Remove the battery cover and replace the old batteries with two new batteries of the same type (1.5V battery, AAA or equivalent), make sure that the polarity connections are correct. Reinstall the battery cover. 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 buzzer does not beep and 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 environment, the unit may give alarm even if the object under test does not contain AC voltage. To avoid false alarm, 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.

Electrical symbol:

~ Alternating current ⚠ Caution, risk of danger, refer to the instructions 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 the other responsibilities for any loss.
3. The contents of this Instructions Sheet can not be used as the reason to use the unit for any special application.

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