

Non-contact AC Voltage and Metal Detector

User's Manual

CAUTION: using this appliance in an environment with a strong radiated radio-frequency electromagnetic field (approximately 3V/m), may influence its measuring accuracy. the measuring result can be strongly deviating from the actual value.

Read, understand and follow Safety Rules and Operating Instructions of the manual before using.

WARNING: BE EXTREMELY CAREFUL IN THE USE OF THIS DEVICE. Improper use of this device can result in injury or death. Follow all safeguards suggested in this manual in addition to the normal safety precautions used in working with electrical circuits. DO NOT service this device if you are not qualified to do so.

SAFETY SYMBOLS

△ Important safety information, refer to the operating manual.

⊥ Earth ground

SPECIFICATIONS

AC Voltage rang : 20V~1000V AC / 50~500Hz

Metal detection distance: > 20mm

Sound and light instructions

Adjustable sensitivity, Setting the default sensitivity

Low battery detection

Auto power off

Designed to international safety standard EN61010-1 / 600V CAT III

Battery : 1X12V (A23S Type) alkaline battery

Operating Temperature 32 to 122°F (-10 to 50°C)

Storage Temperature -4 to 140°F (-20 to 60°C)

Humidity <85%RH

Dimensions 157×24X20mm

Weight APPROX. 45g

BATTERY INSTALLATION

1. Open the battery door (end cap) by gently prying up/out at the pocket clip using a small screwdriver.
2. Insert two AAA alkaline battery batteries (observe polarity).
3. Replace the battery door.

NOTE: If your meter does not work properly, check the battery to make sure if it is still good and that it is properly inserted.

WARNING: To avoid electric shock, do not operate the meter until the battery cover is

in place and fastened securely.

WARNING: The measurement must be done only with the cap on the probe tip.

OPERATING INSTRUCTIONS

WARNING: When you detecting the High-voltage circuits, both AC and DC, are very dangerous and should be measured with great care. Keep hands and fingers on the body of the probe and away from the probe tip.

Before testing AC Voltage or Metal Object

Before using to check for AC voltage or metal object, the detector must be tested on a known voltage source or on a known metallic object to make sure it is operating properly.

Select detecting mode

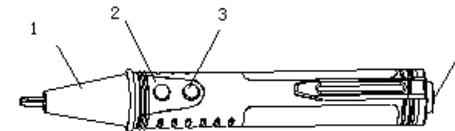
1. Press the power switch 4 to turn the detector on. By default, it is under AC Voltage detecting mode. If you press the button 3 and hold it for two seconds, the detector will change into metal object detecting mode. You may press the button 2 and hold it for two seconds to change the detector back to AC Voltage detecting mode.

To check AC electrical voltage in a socket:

1. Press the power switch 4 to turn the detector on, select the AC Voltage detecting mode. The red LED will light. And then setting sensitivity by press the button 2 to the high sensitivity or press the button 3 to the low sensitivity. Once you press the button 3 or button 2, make sure holding it less than 2 seconds.
2. Touch the probe tip 1 to a cord plugged into the socket, or insert into the socket hole. If AC electrical voltage is present, the detector light will flash and the buzzer will beep.
3. If you want to change the default sensitivity of the detector, you may first set the detector to a proper sensitivity and then press the button 2 and the button 3 at one time and hold it for two seconds, the detector will save the sensitivity to default sensitivity itself.

To check and find Metal Object:

1. First press the power switch 4 to turn the detector on, and then select the metal object detecting mode by pressing the button 3 and hold it for two seconds. at this time the green LED lit
2. Move the detector slowly and smoothly across the surface area.
3. If metal object is present, the red LED will flash and the buzzer will beep.



Auto power off

If there's no any operation and no AC voltage or metal object is detected within fifteen minutes after power is on, the meter will auto power off with buzzer beep and the red LED flash.

Low battery detection

Instrument state at boot, when the battery power less than 9V, Green LED slow flashing.

Prompted low battery power, at low battery power state of the instrument does not guarantee the accuracy of the measurement results.