



**Adjustable non-contact  
VOLTAGE DETECTOR  
LVD-17**

## SAFETY PRECAUTION

Electricity can cause severe injuries with high voltages. Therefore it is very important to read the following info before using the Adjustable Non-contact Voltage Detector.

- This instrument must only be used and operated by a competent trained person
- and in strict accordance with the instructions. We will not accept liability for any damage or injury caused by misuse or non compliance with instructions and safety procedures.
- Examine the Non-contact Voltage Detector to make sure it is clean and dry. If in doubt, wipe with a clean, dry, lint-free cloth.
- The voltage Detector test should always be used as an indication only.
- An absence of voltage detection during some testing situations may not always mean the circuit under test is dead.
- Don't use the Detector if it is broken.
- Don't operate with the case open.
- Don't apply more than the rated voltage between the tip and earth ground.
- Using the Detector near equipment that Generates electromagnetic interference can result in unstable or inaccurate detections.

## DESCRIPTION

The Adjustable Non-contact Voltage Detector is intended to check for the presence of AC voltage, signaling the user with an intermittent tone and a flashing LED.

The LVD-17 is useful for identifying hot and neutral conductors, finding a break in a wire, and detecting the presence of AC voltage at outlets, fuses, circuit breads, swithes cables.

## **FEATURES**

- When turn the power on the LED will flash Intermittently.
- Bright LED and audible alarm sound when Voltage is present.
- Designed for adjustable non-contact voltage detection. It's safer.
- Adjustment for use on power wiring plus lighting, thermostats and other low voltage circuit.
- Identify Hot and Neutral.
- Small, lightweight, for to carrying and storage.
- The consumption is very low.

**SPECIFICATIONS**

Voltage detection	5V~1000V AC
Frequency	50~500 Hz
Indication	LED and Tone
Operating-Temperature	0°~40°C
Operating-Humidity	80% Max.
Power supply	1.5V AAA battery x 1
Dimension	142(L) x 28(W) x 27(D)mm
Weight	Approx. 40g (Batteries included)
Safety Standard	EN 61010-1 CAT IV 1000V EN 61326-1 IEC 61000-4-2 IEC 61000-4-3

## OPERATION

1. Turn the unit on by rotating the sensitivity adjustment thumbwheel away from the OFF position.
2. Verify that the LED flashes periodically.
  - When the tester is on, LED will beep once and flash intermittently.
  - When the tester detects AC voltage, LED will flash and Beep continuously.
  - Low battery LED will remain lit.
3. Test the unit on a known live circuit before each one.
4. Place the tip on or near the circuit to be tested.
  - a. Use Max. sensitivity to detect low voltage.
  - b. Reduce sensitivity to find breaks in wires or to identify hot and neutral conductor.

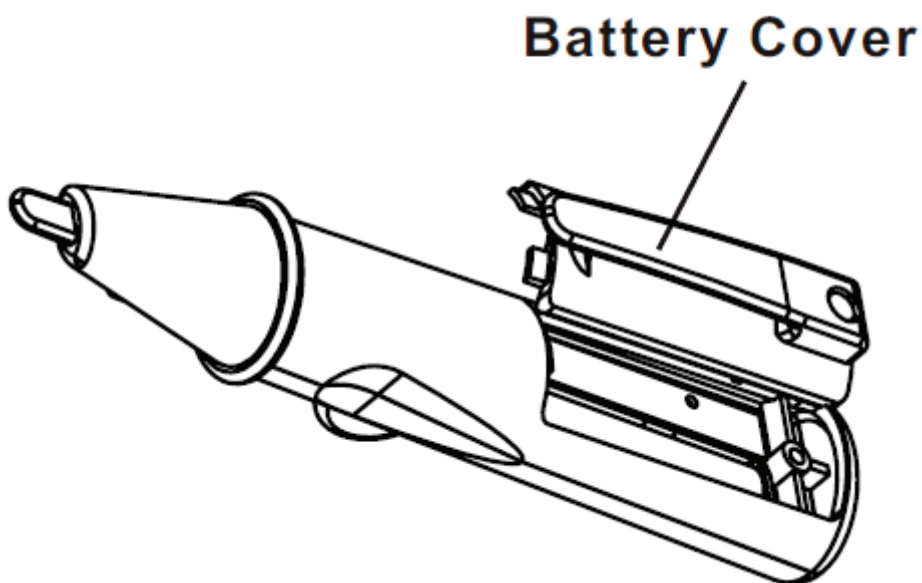




## MAINTENANCE

### Battery replacement

1. Disconnect the Non-contact Voltage Detector from the circuit under testing and turn off the power.
2. Use a screwdriver to unscrew the screw on the back cover, then take the batteries away and replace with new battery (type AAA 1.5V x 1).
3. Place the back cover on and secure with screw.



- Cleaning and storage:

**WARNING**  
To avoid electrical shock or damage to the meter, do not get water inside the case.

Periodically wipe the case with a damp cloth and detergent: do not use abrasives or solvents.

If the meter is not to be used for periods of longer than 60 days, remove the batteries and store them separately.

CAT IV- Is for measurements performed at the source of the low voltage installation.

CAT III- Is for measurements performed in the building installation.

CAT II- Is for measurement performed on circuits directly connected to the low voltage installation.

CAT I- Is for measurements performed on circuits not directly connected to mains.

*Due to our policy of constant improvement and development, we reserve the right to change specifications without notice.*