

LD12D 非接触式测电笔 使用说明书

⚠警告

使用前请仔细阅读使用说明书，并严格遵守安全规则和使用说明书所列的小心、注意、警告等事项。

安全须知

⚠警告

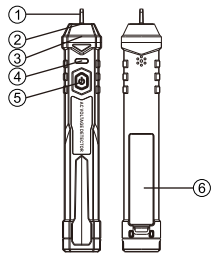
为避免可能发生的触电或人身伤害：

- 如未依照指示使用测电笔，则测电笔提供的保护功能可能会受到影响或失效。
- 使用测电笔前，请在已知带电的电源上进行测试，以确保测电笔处于良好的工作状态。

- 在使用测电笔时，即使无指示或无声音报警，仍然可能会有电压存在。本测电笔指示了在有电源电压产生足够强度静电场时的有效电压。如果场强很弱，则测电笔不能检测到电压的存在。电压的存在可能会受到几种因素的影响，这些因素包括但是不限于：屏蔽的电线/电缆、绝缘层的厚度和类型、离电压源的距离、完全绝缘体、插座设计的差异等
- 如果产品已经损坏，或者无法正常工作，请勿使用。在使用前，要特别检查探针的尖端是否开裂或者断裂。如怀疑有问题，请及时送修。

- 请勿施加超过测电笔上标记的额定电压。
- 测试交流 30 伏以上的电压时，要格外小心，因为这样的电压有发生触电的危险。
- 遵守当地和国家的安全规范，依照当地或国家主管当局的规定使用适当的保护设备。

外表结构



- ① 探针(NCV 感应头)
- ② 手电筒

- ③ 信号指示灯
- ④ 电源指示灯
- ⑤ 电源/照明灯按键
- ⑥ 电池盖

操作说明

开机/关机

按下电源/照明灯按键，并保持大于 1 秒开机，蜂鸣嘀一声，电源指示灯点亮，进入测试状态；在开机状态下，再次长按下电源/照明灯按键，关机。

手电筒

开机状态，短按电源/照明灯按键，手电筒打开；在手电筒打开状态下，短按电源/照明灯按键，则关闭手电筒。

交流电压探测

将测电笔的探针放在靠近交流电压源时，红色信号指示灯会闪

烁，信号越强，红灯闪的越快，同时蜂鸣器的嘀嘀提示音也会随着信号增强变快，让用户可以更直观的感受检测到检测的状态。

注 1：正常情况下可根据电笔探测到信号强弱来区分零火线。

注 2：当要分辨零火线时，如果零火线靠很近时，尽可能将两根线分开来检测；如实在不可分开，可根据探测到信号强弱来区分，信号强的一根是火线，信号弱的一根零线

注 3：被测量的零火线接入电器设备形成回路时，零火线都带电，所以电笔可能无法测出零火线。

自动关机

在约 5 分钟无感应信号或无任

何操作后，测电笔会自动关机，以延长电池寿命。

欠压提示

当电池电压不足时，电源指示灯会闪烁；当电池电压降到约 2.3 伏以下时，测电笔会自动关机。

当出现欠压提示时，请及时更换电池。

技术参数

工作电压：

交流电压 50~1000V，50/60Hz

使用环境：

工作温度：0~40 度

存储温度：-10~50 度

湿度：≤95%

海拔高度：≤2000 米

安全等级：

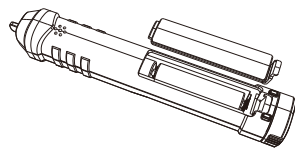
CAT.III 1000V

CAT.IV 600V；CE

电 源：2x1.5V AAA 电池

更换电池

如下图所示按下卡扣，将电池盖从仪器上推下，取出电池，按电池正负指示插入测试仪的顶端。



⚠ 警告：

为避免电击，电池盖在扣好锁紧前不要使用测电笔进行电压探测。

清洁

用湿布进行清洁。

注意：清洁过后要待测电笔完全干燥后才能使用。



乐达以顾客为本

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LD12D-Non-contact Voltage detector User manual

Warning

Please read the instruction manual carefully before use and strictly observe the safety rules and the caution, attention and warnings listed in the instruction manual.

Safety instruction

Warning

To avoid possible electric shock or personal injury:

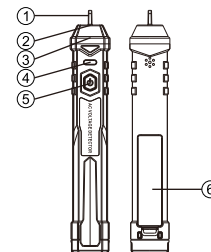
- If the voltage detector is not used correctly according to the instruction, the protection function provided by the detector may be affected or invalidation.
- Before using the voltage detector, please test the known power supply to ensure that the voltage detector is in good working condition.
- When using voltage detector, even if there is no indication or no sound alarm, there may still be voltage. This voltage detector indicates the effective voltage when a supply voltage generates enough intensity electrostatic field. If the field strength is very weak, voltage detector can't detect the existence of voltage. The existence of voltage may be affected by several factors, including but not limited to: shielded wire or cable, thickness and type of insulation layer, distance from the voltage source, complete insulation, differences in socket design, etc.
- Do not use if it is damaged or unable to work properly. Before using, check whether the tip of

the probe is cracked or broken. If there is a question, please send it to repair in time.

- Do not apply the rated voltage exceeding the marking on the voltage detector.
- When testing voltages above 30 volts, be extra careful, because such a voltage is at risk of electric shock.
- Comply with local and national safety regulations and use appropriate protective equipment in accordance with local or national authorities.

The Meter Structure

- ① Probe (NCV sensor)
- ② Flashlight
- ③ Signal indicator
- ④ Power LED
- ⑤ Power/Flashlight Key
- ⑥ Battery cover



Operation description

Power on/off

Press the power/flashlight key and keep up for more than 1 second. The buzzer beeps once, the Power LED lit up and the instrument entered the test state. When the power on, Press the power/flashlight key and keep up for more than 1 second, power off.

Flashlight

Press the power/flashlight key less than 1 second, and The flashlight is opened; The flashlight is closed by pressing the sensitivity / flashlight key less than 1 seconds.

AC voltage detection

The red signal indicator will flash when the probe of the measuring pen is placed near the AC voltage source.

The stronger the signal, the faster the red light will flash. At the same time, the Beepers beep will speed up as the signal strength increases, let the user can more intuitively feel the state of detection.

Note 1: Under normal condition, the live wire and neutral wire can be identified according to the signal intensity detected by the detector.

Note 2: When distinguishing the live wire from the neutral line, separate the two lines as far as possible to detect them. If they cannot be separated, they can be distinguished according to the the signal intensity detected. The strength of the

detected signal for the live wire is strong. The detected signal strength for the neutral wire is weak.

Auto power off

When there is no induction signal or no operation within about 5 minutes, the instrument will shut down automatically to extend the battery life.

Low battery indicate

When the battery voltage drops to less than 2.5 volts, the power LED will flash. When the battery voltage drops to less than 2.3 volts, the voltage detector will automatically turn off. When low battery tip, please replace the battery.

Technical specifications

Detection voltage:

AC voltage :50~1000V.

50/60Hz

Application environment:

Operating temperature: 0~40℃

Storage temperature: -10~50℃

Humidity: ≤95%

Altitude: ≤2000m

Safety compliance:

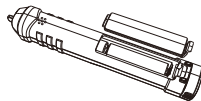
CAT.III 1000V

CAT.IV 600V; CE

Battery: 2x1.5V AAA

Replace the battery

Press the snap and push the battery cover off the body, remove the batteries, and insert the positive terminal of the new battery toward the tip of the tester.



Warning:

To avoid electric shock, do not use the voltage detector to detect voltage before the battery cover is buckled and locked.

Clean

Clean with a wet cloth.

Notes : After cleaning, the voltage detector must be dried before it can be used.



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