

Voltage Detector

KD2

sanwa

Easy operation
Low Voltage Detector

日本製

MADE IN JAPAN



Checking outlet



Checking a cable

Accurately detects voltage with red light and buzzer output. Switchable between a cable and bare wire settings. The device perform to hot line.

Voltage Detector

Serial No.

KD2

SPECIFICATIONS

Voltage sensing ranges

Nominally, 80V to 600V AC at 50/60Hz

Compatible conductors

cord, bare wire, etc.

Self-check "試"

Check the sensor probe and circuit using the "試" function.

Withstand voltage

2,000V for 1 minute (between sensor probe and handle)

Indicators

Bleep: Over 50dB from 50 cm away

LED: 8000Lx

Power supply

LR44(1.5V) x 2 pcs.

Battery life

Approx. 6hours

Operating temperature range

-10°C ~ 45°C

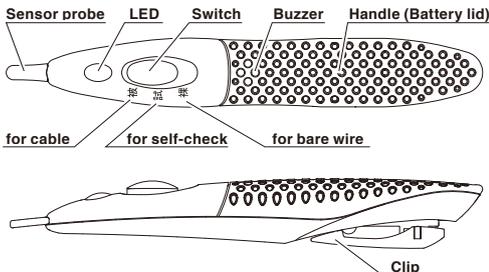
Dimensions

H133xW19xD19.5mm

weight

approx. 17g(including batteries)

DIAGRAM



sanwa®

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紙 Paper Cardboard
PET Plastic Clear pack
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INSTRUCTION MANUAL

SAFETY PRECAUTIONS

Before use, read the following safety precautions.

This instruction manual explains how to use your voltage detector KD2. Before use, please read this manual thoroughly to ensure correct and safe use. After reading it, keep it together with the product for reference to it when necessary. Using the product in a manner not specified in this manual may cause damage to the protection function of the product.

The meanings of the symbols used in this manual and attached to the product are as follows:

Symbol	Meaning of symbol
	Misuse due to ignoring these warnings can cause serious injury or death.
	You must not perform these prohibited actions.
	You must perform these required actions.

MEASURING PROCEDURE

1. Start-up Inspection

-  Check the external view for irregularity caused by dropping, etc.

 Never use the device if any irregularity is found. Make sure that the device and hand are not wet with water, etc.

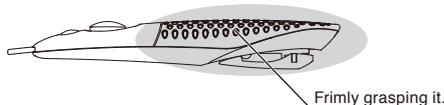
 Wipe it clean with a clean, dry towel if the surface of the device is dirty.

 Do not use organic solvents such as thinner or benzene to wipe the device.
-  Do not use the device if water or drops of water are present on its surface.
-  Do not use unspecified batteries.
-  Set the switch to the “試”(for self-check) function to confirm beep and LED flashing. Replace the batteries with new ones if no/not enough beep sound or no/not enough LED flashing.
-  Replace exhausted batteries as they may lead to battery leakage and damage the device.
-  Before carrying out checking, check the operation of the device using a known AC power source since only the “試”(for self-check) testing is not sufficient.

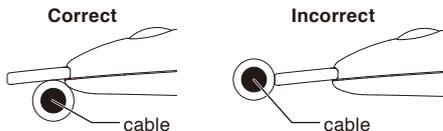
 No beep sound, no LED flashing may cause the device damaged. Never not use the device.

2. Make measurement

-  Set the switch to “裸”(for bare wire or etc.) or “被”(for a cable).
-  Firmly grasping the handle of the device in your palm. If not enough to grasp the handle, sensitivity of voltage detection might be weak.



- Place the sensor probe as following illustration



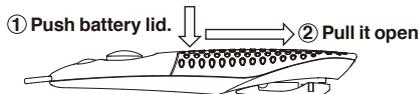
- When not using the device, setting the switch to the “裸”(for bare wire or etc.) function will minimize unwanted detection.

3. Warning

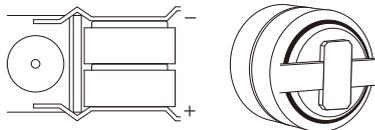
-  Do not use the device on circuit which exceeds 600V.
- The device may sense voltage by induced electric field existed from other circuits or near high voltage circuits.
- The device may sense voltage by induced electric field from metal connected with ungrounded circuit.
-  Can not detect voltage of shielded cable.
-  The sensitivity may vary due to how the device is held by your palm and how it touches an object to check.
-  Do not use the device in the rain nor put it into water.
-  Do not use the device out of specified operating temperature range(from -10°C to 45°C)

4. Battery Replacement

-  Push a battery lid around buzzer, and then pull it open.



-  Replace both of the two batteries by observing the correct polarity.



-  Make sure that batteries are inserted properly by the “試”(for self-check) function.
-  Put the battery cover correctly.

5. Maintenance

-  Do not store the device in places under direct sunlight, or hot, cold or humid places or places where condensation is anticipated.
-  Do not leave the device long time in places under high temperature condition.
-  Do not attempt to modify or repair the device yourself.
-  The device must be disposed of it as industrial waste.
-  If the device will not be used for a long time, remove the batteries.