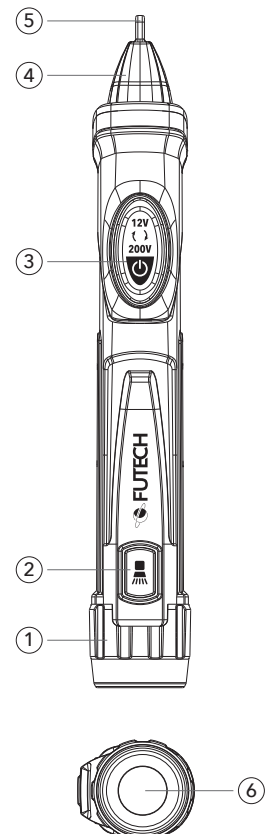## DESCRIPTION

1. Battery Cover
2. Flashlight button
3. Power button ON/OFF
4. LED Indicator
5. Detector Tip
6. Flashlight

LED INDICATOR

· Green light   high voltage mode (> 200V)
· Yellow light   low voltage mode (>12V) and self-test mode
· Red light   voltage detected

■ BATTERIES

Prior to initiate the self-test, check whether the batteries have been installed correctly inside the device.

A. Carefully unscrew the Battery cover [1] by hand anti- clockwise
B. Lift off the Battery cover [1]
C. Insert the batteries making sure that the poles of the batteries are in the right position.
D. Align 2 springs on Battery cover [1] to 2 contacts inside the rear of de device, screw the Battery cover [1] clockwise to close the Battery cover [1] firmly.

NOTE
· *ONLY USE AAA BATTERY.*
· *CLOSE THE BATTERY COVER [1] FIRMLY TO MAINTAIN IP67 WATER AND DUST PROTECTION.*
· *REMOVE THE BATTERIES IF THE DEVICE IS NOT USED FOR A LONGER PERIOD.*
· *LOW BATTERY INDICATION- THE DEVICE BEEPS FOR 3 TIMES AND LIGHT DISAPPEARS FROM LED INDICATOR [4].*
· *WHEN LOW BATTERY IS INDICATED, DO NOT OPERATE THE DEVICE, AND REPLACE THE BATTERY IMMEDIATELY.*

■ OPERATION

■ SWITCH ON/OFF AND SELF-TEST

The self-test checks the functionality of the device and battery. Always verify the self-test on a known live AC voltage within the detection voltage range.

· Press the power button ON/OFF [3] to switch on the device. You hear one beep sound. This means that the device passes the self-test and is switched on.
· A light inside the LED indicator [4] is switched on. A yellow light indicates the device is switched on low voltage mode. The green/yellow light flash fast every 5 seconds. This indicates the device performed a self-test and all work correctly.
· Press the power button ON/OFF [3]. The device beeps two times and the light in LED indicator [4] disappears. This means the device is switched off.
· Automatic switch-off:
  - when the device is not in use for about 5 minutes
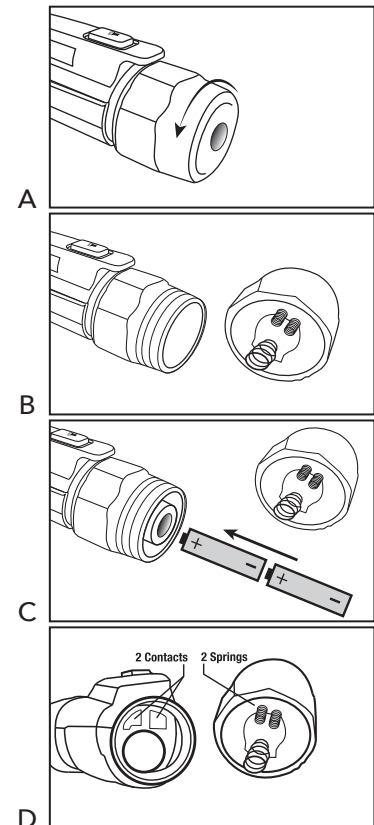 - when the battery runs out (you will hear two beep sound)

NOTE
· *AFTER SWITCHING ON, IF THE DEVICE KEEPS BEEPING AND THE YELLOW/GREEN LIGHT IN LED INDICATOR [4] FLASHES FOR 5 SECONDS, THIS MEANS THE DEVICE FAILS SELF-TEST AND IS NOT READY FOR USE. PLEASE SWITCH OFF THE DEVICE AND CHECK IF THE INSTRUMENT IS IN PERFECT CONDITION (BROKEN HOUSING, LEAKING BATTERIES, UNPROPER FUNCTIONING AT AN UNKNOWN VOLTAGE ETC.).*

■ SWITCH BETWEEN LOW VOLTAGE & HIGH VOLTAGE MODE

· When the device is switched on, hold the power button ON/OFF [3] for 2 seconds, you will see the light inside the LED indicator [4] will switch from yellow to green or from green to yellow.
· Hold the power button ON/OFF [3] againfor 2 seconds to return to the initial mode.

■ TURN OFF SOUND NOTIFICATION

· When the device is off, hold the Power button [3] until yellow or green light appears in LED indicator [4], the sound notification is turned off and you can now operate the device without beep sound.
· When the device is on, sound notification can't be turned off.

A

B

C

2 Contacts   2 Springs

D

■ **FLASHLIGHT**

· Press Flashlight button [2] to turn on flashlight

NOTE
· *TO SAVE BATTERY, THE FLASHLIGHT WILL TURN OFF AUTOMATICALLY WHEN THE ACTIVATED DEVICE IS NOT IN USED DURING 5 MINUTES*

■ **CARRY OUT VOLTAGE TEST**

■ **LOW VOLTAGE MODE (DETECTION VOLTAGE RANGE: 12V TO 1000V AC)**

When the device is switched on, please check the device is working on low voltage mode (=yellow light in LED indicator [4])

· Place the Detector tip [5] near a test object and move the device smoothly along the test object.
· When the device detects an AC voltage in the range between 12V and 1000V AC, the yellow light in LED indicator [4] is replaced by flashing red light and the device starts to beep.

■ **HIGH VOLTAGE MODE (DETECTION VOLTAGE RANGE: 100V TO 1000V AC)**

When the device is switched on, please check the device is working on high voltage mode (=green light in LED indicator [4])

· Place the Detector tip [5] near a test object and move the device smoothly along the test object.
· When the device detects an AC voltage in the range between 100V and 1000V AC, the green light in LED indicator [3] is replaced by flashing red light and the device starts to beep.

NOTE
· *THE DEVICE CAN'T DETERMINE THE ACTUAL VOLTAGE. THE PRESENCES/LEVEL OF AC VOLTAGE DETECTING IS AFFECTED BY THICKNESS AND TYPE OF INSULATION, THE DISTANCE FROM THE VOLTAGE SOURCE AND OTHER FACTORS.*
· *MAKE SURE YOU HOLD THE DETECTOR TIP [5] AS CLOSE AS POSSIBLE TO THE VOLTAGE SOURCE. THE CLOSER YOU HOLD, THE MORE RELIABLE TEST RESULTS WILL BE.*

◾ SPECIFICATIONS

Detection Voltage Range	100V to 1000VAC, 12V to 1000VAC
Frequency Range	50/60Hz
Batteries	Two AAA 1.5V batteries
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-10 to 60°C (14 to 140°F)
Humidity	80% max.
Altitude	2000 meters
Pollution Degree	2
Safety Compliance	CAT IV 1000V
IP Rating	IP67

Futech is a registered brand of Laseto NV, Belgium.

Futech declares that the Voltpen 200-12
is in conformity with the following standards:
·

following the provisions of Directive:
·

Tested by
Certificate number

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