

# UT12C

## AC Voltage Detectors

### Operating Manual

#### ⚠ Warning:

Thank you for purchasing the UT12C test pencil and for the full use of the product, please:

-----Read the user manual carefully.

-----strictly observe the safety rules and notes listed in the manual

Please note the following items to guard against electric shocking or personal injury:

If any damage about the test pencil or failure to operate, please do not use it. If any doubt, please deliver the test pencil for repair.

Please do not impose voltage exceeding the rating voltage on test pencil.

There may be a danger of electric shocking for voltage higher than 30V (AC), please pay attention to that in operation and observe local and national safety code of the country you are in.

#### I. Electric symbol

☐	Double insulation
⚡	Be careful! Electric shocking
⚠	Dangerous! Important information, reference manual

CAT IV equipment is intended for protecting from transient voltage injury resulted by first level power source such as meter or overhead wires or ground wires infrastructure.

The product meets

LVD (EN62020-031:2002; EN61010-1: 2001)

EMC (EN61326: 1997+A1: 1998+A2: 2001+A3: 2003)

#### ⚠ Notes:

no contact with the white part of front end of pencil body for your finger!

#### II. Working voltage and working condition

Working voltage: 90V-1000V AC

Working condition:

1) Temperature: -10°C-50°C, storage: 10°C-50°C

Humidity: ≤95%

2) Elevation: 3000m, cleaning: wet cloth

#### III. Operation instructions

Activate test pencil	Press once gently the button labeled with power symbol, buzzer, LED and motor will work concurrently for 0.5 second, indicating test pencil is activated successfully. While entering the test standby status, LED will flicker two times continuously with the interval of 1.5 seconds.
AC voltage test	1) Under non-vibration mode, put probe of test pencil close to the object being tested with AC voltage, LED will flick and buzz. 2) Under vibration mode, put probe of test pencil close to the object being tested with AC voltage, LED will flick and buzz and motor vibrate.
Power off automatically	Battery will power off automatically for energy saving if do not use test pencil about 3 minutes. Buzzer and LED will work concurrently 1 second, indicating power off successfully.
Stop using motor	Press button gently after power on, LED flickers, buzzer works, but motor fails to vibrate, a mode called non-vibration (shifting between vibration and non-vibration mode with button after power on).
Stop using test pencil	Press button about 2 second to power off the test pencil with 1 second of buzzer and LED alight 1 second.

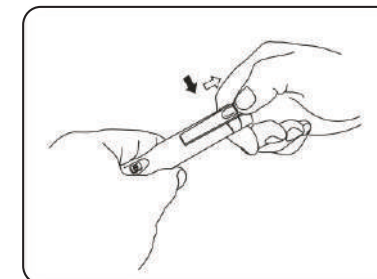
#### IV. Indication for low electricity of battery

IV. Indication for low electricity of battery When battery voltage is lower than 1.75V, LED will flicker 5 times slowly after power on, and buzzer, if any signal, may sound faintly, and motor vibrates weakly. Please replace battery immediately for the test accuracy.

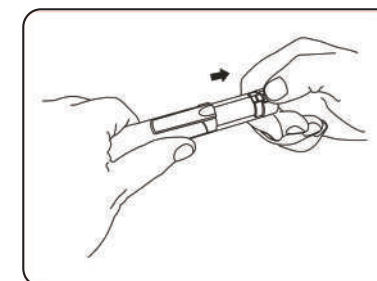
#### V. Battery replacement

Battery: 2×1.5V AAA

(1). with one hand holding test pencil body, and thumb of other hand pressing the control position of pencil head and extending it backward.



(2). Please take out the upper cover of test pencil according to the direction as shown in the picture, replace the battery. (see the following picture)



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