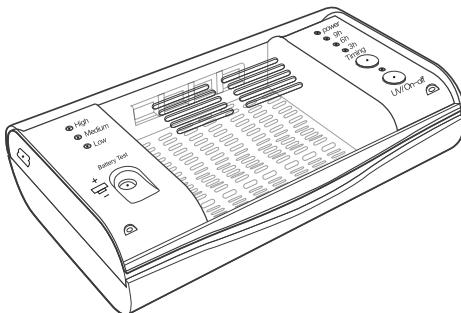


# Instruction for use

## Sanitizer Dryer UV LED AID300A



Electric Drying Case-Aid 300 Series

### Overview

Hearing aids is an electronic device of high precision and its requirements of use should be strictly observed. Due to the sweat and humidity encountered in daily use, it is especially important to have daily maintenance.

Majority users of hearing aids are the elderly or disabled people who easily get sick. Sweat and earwax attached on the hearing aids might allow bacteria to breed. Consequently their health will be jeopardized. To avoid this happening, ways to improve personal hygiene is very important.

Hearing aids consume battery. When battery gets low, weak, intermittent, distorted output or even dead will occur. Leakage from battery will damage the hearing aids.

Aid300 series dryer is our latest design with multi functions, it has three main integrated functions:

First, it dries and dehumidifies hearing aids under its heating and constant temperature functions.

Second, it kills bacteria or viruses on hearing aids surface directly through 275nm ultraviolet (UV) light which generates by advanced UV LED bulb.

Third, battery monitor displays the level of power capacity to remind customers to change battery in time.

### Technical Specifications

#### 1. Environment:

Surrounding environment temperature: 5°C-40°C

Air humidity: ≤80%RH (when temperature is 25°C)

No inflammable, corrosive gas or conductive dust exist in the air.

#### 2. Power:

2.1 Voltage: DC 5.0V

2.2 Current: DC 1.0A

2.3 Power: ≤5W

3. Automatic temperature control: 50°C±5°C

### Technical Specifications

#### 4. Timer Control:

4.1 Selectable drying time settings for 3h, 6h or 9h

4.2 Sterilize time: 30min.

#### 5. UV LED spectrum: 275nm

#### 6. Battery Indicator: three levels

6.1 Green light – battery power ≥1.30V

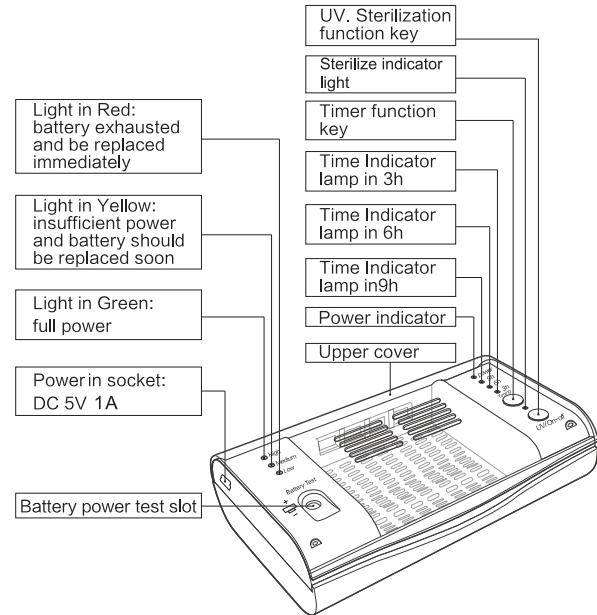
6.2 Yellow light – battery power ≥ 1.15V but < 1.30V

6.3 Red light - battery power <1.15V

#### 7. Safety protection:

7.1 Over-temperature & over-heating protection

7.2 Protection against UV leaking



## Working principle

### 1. Constant heating

Thermostat control at  $50^{\circ}\text{C} \pm 5^{\circ}\text{C}$  to keep the hearing aids drying. The circuit board of Aid300 series consist of 24 pcs of crystal heating elements, set in intensive array and fix on PCB directly. These heating points make certain that the machine can be heated in good balance.

### 2. Sterilization

UV LED bulb inside of AID300A dryer generates 275nm ultraviolet (UV) light. The high intensive UV illuminates at a short distance to kill the surface bacterial spores within a short time, it thoroughly kills bacteria and viruses.

The drying environment can restrain the bacteria growth during constant heating. With the effect of integrated functions, Aid300 series has ultimate sterilizing function against bacteria and viruses.

There's no side-effect such as pollution or damage on hearing aids. Operation is easy, convenient, safe, efficient and environmental friendly.

### 3. Three-level battery indication

- 3.1 Green light – battery power  $\geq 1.30\text{V}$ . Battery is full or strong.
- 3.2 Yellow light – battery power  $\geq 1.15\text{V}$  but  $< 1.30\text{V}$ . Battery could be used for a while but needs to be replaced soon.
- 3.3 Red light – battery power  $< 1.15\text{V}$ . Battery is exhausted and should be replaced immediately.

### 4. Safety protection

#### 4.1 Over-temperature & over-heating protection

When the surface temperature of heating part is over the limited temperature, the protective mechanism will automatically cut off the circuit board for safety.

#### 4.2 Protection against UV leaking

## Working principle

4.2.1 When the upper cover is not closed properly, the device will not start working.

4.2.2 During the sterilization, the protective mechanism will cut off power once the cover is opened. At the same time, the UV LED bulb will be turned off immediately to avoid any hurting on eyes or skin caused by leakage of UV light. When the upper cover is closed again, the protective mechanism will continue to sterilize and disinfect, and the UV LED bulb will be turned on again.

### 5. Main control unit

To collect all the data to the CPU under SCM technology, all instructions will be distributed by CPU after the data is recognized and calculated.

## Operation

**Placement:** Remove the battery from the hearing aids first, then open the cover of Sanitizer Dryer, place the hearing aids in the center position and close the cover.

**Power connection:** First, connect the DC output of +5V adaptor to input socket of dryer. Second, connect the AC input of +5V adaptor to power socket (100-240V) then the "power" light is on.

**Timing and running:** Press the timer key to select 3h, 6h or 9h, and the indicator light will be on accordingly. At the same time, it will start to sterilize & disinfect automatically for 30 minutes.

**Ending:** The machine will stop heating automatically when the setting time is reached and the indicator lamp will be twinkling at the same time. The drying process is finished and hearing aids should be removed from the drying case.

## Operation

**Constant heating:** Press the timer key to start heating constantly, and the sterilization & disinfection are running at the same time.

Press the sterilization key to turn off sterilization & disinfection manually and the constant heating will continue till the end.

**Sterilization working independently:** After power connection, the POWER light keeps on, press sterilization key lightly, UV LED bulb gets light and meanwhile sterilization working starts, it ends automatically after 30minutes.

**Battery:** All kinds of zinc air batteries for hearing aids can be used with this machine.

## NOTES

1. Keep stains, watermarks away from the hearing aid before drying.
2. Remove battery from hearing aids before drying.
3. Make sure hearing aids clean and no battery leakage before drying.
4. Power specifications must be strictly observed with our instructions to avoid serious consequences, such as halting problem or even burnt of machine.
5. Do not cover the machine when it is working.
6. The drying time must be less than 12 hours per day.
7. Please pull out the plug after drying.
8. Do not try to disassemble or repair the machine by yourselves.
9. Keep away from children.