PerfectDry ROOTIN Automatic Hearing Aid UV-C Disinfecting and Cleaning System

Specification Sheet



Manufacturer: Anhui UV-CHIPS Semiconductor Technology Co., Ltd.

Product Model: ZY2405D

Product Type: Hearing Aid UV-C Disinfecting and Cleaning System

Sterilization type: Deep UV LED mercury-free sterilization lamp beads

Revision: Official Release

1. Features & Applications

1.1 Key Features

- **Quick Drying in 30 Minutes**

Gently removes moisture using a forced-air fan system at a safe 38°C ± 1.5°C (100.4°F) to prevent device damage.

- **360° UV-C LED Disinfection**

Eliminates over 99% of bacteria and fungi in the first 3 minutes of each cycle—protecting your ears from irritation and infection.

- **Touch-Activated Operation**

Choose between a quick 30-minute cycle or a more intensive 60-minute cycle with just one or two taps.

- **Auto Shut-Off & Safety Lid Sensor**

Automatically stops the cycle when opened—ideal for safety and energy savings.

- **Universal Compatibility**

Works with all types and sizes of hearing aids and earmolds.

- **Ultra-Quiet**

Operates below 20 dBA—quiet enough for your nightstand.

1.2 What's in the Box

- PerfectDry ROOTIN® unit
- USB cable
- AC power adapter(Optional)
- User manual

1.3 Drying Principle

- **Precision Heating**: Equipped with 18 efficient granular resistors, ensuring the temperature remains constant at 35℃±3℃, achieving gentle and evenly efficient heating.
- **Efficient Dehumidification**: Bottom wind circulation design blows airflow from the bottom of the box, achieving all-around even heating and excellent dehumidification.

1.4 Disinfection Method

Advanced Disinfection: Equipped with four high-energy LED UV disinfection lamps, achieving comprehensive disinfection of hearing aids, ensuring a sterile environment.

1.5 Operating Principles and Procedures

- **Power Connection**: Connect this product to the power adapter using the USB cable.
- **System Self-check**: The indicator light flashes green for 10 seconds to complete the self-check process. Touch the switch once to start the machine. If the switch is not touched for a long time, the machine will enter standby mode.
- **Mode Selection**:

1、 **Quick Drying and Disinfection (30 minutes)**: In the green breathing state, lightly touch the switch. The indicator light turns blue, starting the quick drying and disinfection program. After 5 minutes, the disinfection program automatically shuts down, and the drying function continues for 30 minutes, then automatically shuts down.

2、 **Deep Drying and Disinfection (60 minutes)**: In the green breathing state, touch the switch twice continuously. The indicator light turns red, starting the deep drying and disinfection program. After 5 minutes, the disinfection program automatically shuts down, and the drying function continues for 60 minutes, then automatically shuts down.

1.6 Restart

After the drying and disinfection cycle ends, the indicator light goes off. To restart, simply open the lid and close it again. The indicator light will return to the green breathing state, allowing the user to choose the appropriate mode as needed.

2. Technical Specifications

- Drying Temp: 38°C ± 1.5°C (100.4°F)
- Cycle Time: 30 or 60 minutes
- UV-C Lamp: 275 nm wavelength/25mW*4 Pcs
- Power: 5V DC, Max 2.5W
- Weight: 165g
- Interior (W x H x D): 79.2 x 55.3 x 20.0 mm
- Exterior (W x H x D): 104.0 x 80.0 x 46.0 mm

3. Ideal For...

- Daily hearing aid users in humid environments
- Active users prone to sweat or earwax buildup
- Anyone looking to extend hearing aid lifespan and comfort

4. How It Works

- Clean hearing aids to remove wax and debris.
- Place inside unit.
- Close the lid and tap the button once (30 min) or twice (60 min).
- Let the PerfectDryROOTIN® do the rest.

The blue indicator light tells you it's running. The unit powers off automatically when done.

5. Eco & User Friendly

- Ultra-low standby power (<0.02W)
- Made of recyclable ABS plastic
- Complies with all major safety and environmental regulations (EU directives, IEC standards)

6 Warranty

- Device: 3-year warranty
- Power adapter and cable: 2-year warranty
- For support, contact the manufacturer with proof of purchase.A

7. Manufacturer Information

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