

PerfectDry Lux Rechargeable

Version of December 20, 2018



CE

Presentation

The rechargeable PerfectDry Lux is Medical Device designed to accommodate the Zpower's silver-zinc batteries charger. The rechargeable PerfectDry Lux allows to charge hearing aids batteries and ensure the maintenance by combined dehumidification and ultraviolet functions.

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Specifications

Automatic stop of UV-C

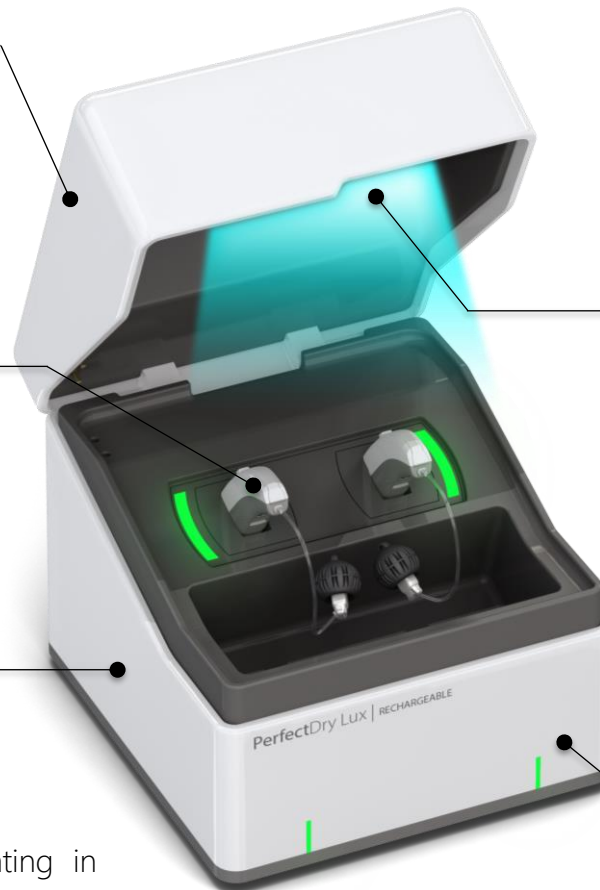
- Opening the lid turn off the UV-C lamp.

Easy start

- The cycle begins when at least one hearing aid is present.

Dehumidification system

- The temperature is self-regulating in order to not exceed 30°C / 86°F thanks to the microprocessor.
- Optimized and homogeneous airflow.
- Extraction of moisture.



UV-C system

- The UV-C lamp reaches all sensitive areas of hearing aids.

Microprocessor for optimal control

- Dehumidification system.
- UV-C system.

Directives

The product meets the requirements of:

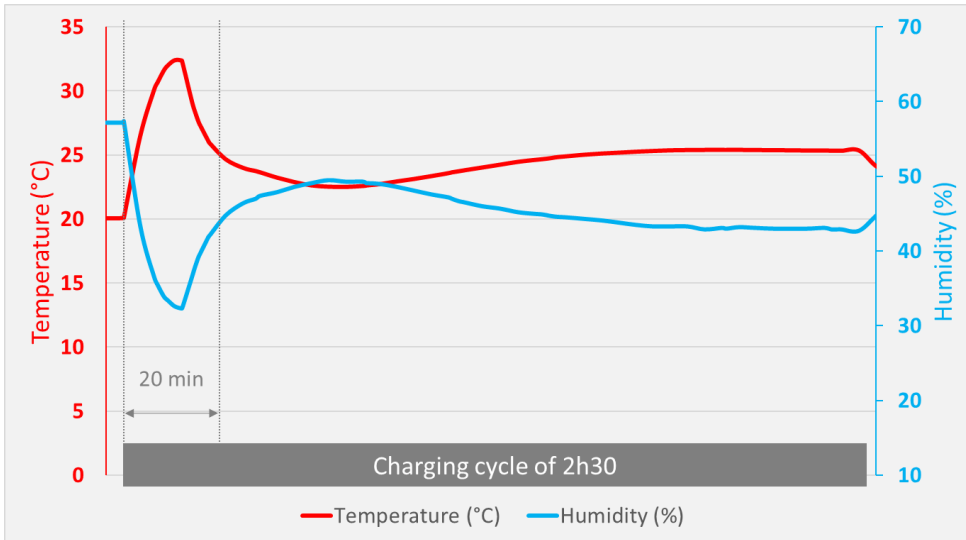
- Directive 93/42/EEC – Concerning medical devices, reviewed and amended by Directive 2007/47/CE.
- Directive 2014/35/EU – Harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits.

- Directive 2014/30/EU – Harmonization of the laws of the Member States relating to electromagnetic compatibility.
- Directive 2017/2012/EU – Restriction of the use of certain hazardous substances in electrical and electronic equipment.
- Directive 2012/19/EU – Waste electrical and electronic equipment (WEEE).

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Hydrometric and temperature curves during a battery charging cycle (illustration with a cycle of 2h30)



The cycle of the **rechargeable PerfectDry Lux** starts with a preheating (10 minutes), then is followed by temperature stabilization (10 minutes) in the area of the hearing instruments. This is followed by a permanent temperature control around the hearing aids battery for the rest of the cycle time.

The temperature is taken near the hearing aids.

Electrical specifications



Low power connection

- Power supply: 5Vdc
- Max power: 3.75W
- Standby Power: <0.2W

Cable

Use **only** cable supplied with the rechargeable PerfectDry Lux.

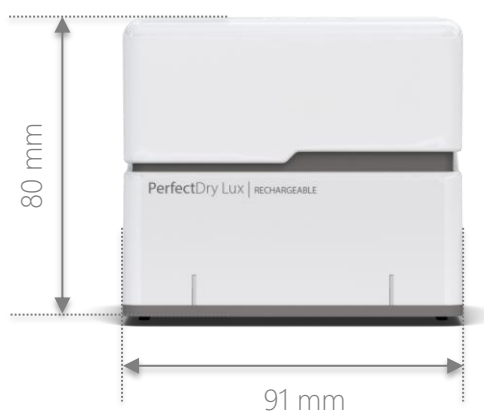


5V adapter

Use **only** power supplied with the silver-zinc charger.

Mechanical specifications

- Weight: 210g



Properties

The rechargeable PerfectDry Lux provides to combine charging and maintenance: dehumidification and UV-C.

In order to perform the maintenance with great efficiency, the rechargeable PerfectDry Lux operates thanks to a microprocessor that optimally controls the various technologies involved:

- **Dehumidification system with warm air.** Temperature maintenance is controlled by the electronic system which allows to not exceed 35°C / 95°F, in order to prevent damage on hearing aids and batteries performance.
- **The UV-C system** with a short wavelength allows to reach all sensitive surfaces of the hearing aid. UV-C system efficiency is proved by a laboratory which is certified and internationally recognized. The tests are consistent with the requirements for UV-C of medical field. This same laboratory carried out tests to ensure that UV-C system does not damage hearing aids and their treatments.

- During the charging cycle, the **rechargeable PerfectDry Lux** reproduces the light indications of charger on the front side.

Indications

The rechargeable PerfectDry Lux is recommended to dehumidify all rechargeable ZPower hearing aids, in order to avoid moisture-related failures and prevent oxidation in the contact area between the hearing aids and the charger.

Regular use increases the life of hearing aids and preserves their effectiveness.

Usage tips

Clean your hearing aids to remove excess dirt and open.

To start the cycle, place the hearing aids and close the lid. Dehumidification is active as long as the batteries charging.

The optimal time of dehumidification cycle is 60

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minutes, so in case of the charging time is less than this time, the cycle continues to ensure maximum efficiency.

Flashing of the green LEDs indicates batteries are charging. Fixing of the green LEDs means that batteries are charged nevertheless the dehumidification cycle continues to be optimal. Once drying and charging are completed, the LEDs turn off.

It is possible to simply stop the maintenance cycle at any time by removing the hearing aids from the **rechargeable PerfectDry Lux**.

Precautions

Put **rechargeable PerfectDry Lux** on a dry, stable support.

To unplug, grasp the plug, not the cord. Clean with a soft cloth.

Do not use abrasives to clean **rechargeable PerfectDry lux**. Do not spray liquid into the unit.

Keep **rechargeable PerfectDry Lux** closed when not in use to prevent dirt deposits.

Do not put **rechargeable PerfectDry Lux**, the power cord or plug in water or any other liquid.

Keep out of reach children.

Any intervention other than cleaning and normal maintenance by the customer, must be done by the aftermarket manufacturer or by any authorized professional service.

If the power cord or plug are damaged, do not use the device and change immediately.

Replace your AC adapter and cable with a genuine model.