

# Long lasting technology for life's fine tones



## Hearing Aid Batteries

Our hearing aid batteries help you enjoy life's tones to enhance your comfort.  
They are highly reliable, durable and easy to insert.



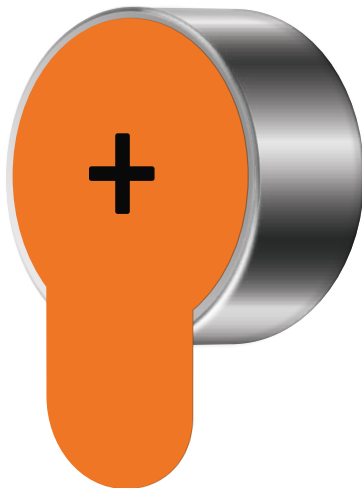
# Zinc-Air

Our zinc air batteries are designed to meet the highest requirements of analog, digital and ultra high power hearing aids. In particular they are characterized by their extra long life and they are optimized for high currents.

## How does the battery work?

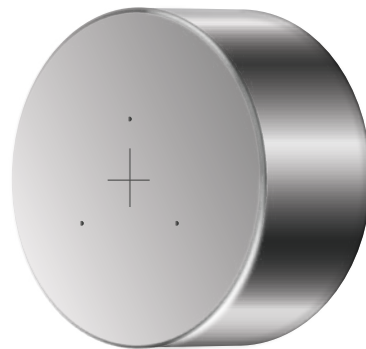
Zinc-Air batteries use oxygen as an energy source. The Oxygen from the surrounding air reacts with the zinc inside the battery to supply the required current. In its original pack, the battery is sealed with adhesive tab which protects it against environmental influences. In this condition, very little oxygen is present in the battery. Its voltage is therefore reduced and the battery is not activated. After removal of the tab, oxygen enters the battery and the voltage rises up to more than 1,45V if required (open circuit voltage). In this state zinc air batteries can only be stored for a limited period and should be used as quickly as possible.

**non activated cell**



1. Take the battery out of the box. For best storage keep the other ones in the original packaging.

**activated cell**



2. Remove the tab (this will activate the battery). Let it breathe for 1 – 2 minutes. This way the battery can fully charge and will last you longer.

3. Insert the battery into your hearing aid. Your device is ready to be used.



Analog, digital  
and ultra high power  
hearing aids



Wireless  
communication



Long  
battery life



Mercury  
free

# Technology

Our battery can be used in both analog and digital hearing aids. Engineers have developed our zinc-air batteries over a period of many years so that the latest generation of Renata batteries is ideally suited to both technologies.

## Storage

Ideally a zinc-air battery should be stored at room temperature in the original package. Storage in a very dry or humid climate (e.g. exposed to direct sunlight) or in a cold place (e.g. in a refrigerator) may significantly shorten the battery service life. Batteries should not be allowed to come into contact with metal pieces (such as coins or keys), as this may create a shortcircuit.

## Voltage

An activated zinc-air battery which is not under load is able to reach a voltage of more than 1.45V, the operating voltage is slightly lower than this. If the voltage falls below 1.1V in a digital hearing aid, an alarm sounds or the device switches itself off. In zinc-air batteries, the voltage remains constant through the period of use and the state of discharge therefore cannot be determined by measuring the voltage. Conventional battery testers are not suitable.

## Long lasting



In principle, Renata batteries are typified by a broad spectrum of use and a long service life. However, the service life of a zinc-air battery depends on different factors such as the type of hearing aid, the chosen amplification, the surrounding noise level and climatic conditions such as temperature or atmospheric humidity.

# ZA-Display



**Dimension:** L 200mm | H 330mm | D ~125mm  
**Material:** Natural Polywood / Metal

ZA Display is made of natural polywood with transparent varnish. There is a transparent envelope with a paper insert (digital print).

Our premium ZA-Display with 4 hooks supports your sales activities. Thanks to its appealing and space saving design, you will benefit from a professional product presentation.

## If interested, please contact:

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