

# research HIS-3



The resEARch HIS-3 has been specifically designed for hard of hearing people. It easily connects to PTE/ITE devices, cochlear/ middle ear implants as well as to earphones and active speakers.

The stethoscope is equipped with digital signal processing and provides you with excellent sound during auscultation. It also features volume control and a frequency selector switch. The resEARch HIS-3 can be directly connected to all kinds of hearing systems by coupling different adapters with the 3.5 mm plug.



Original size



Original size

**A piece of normality regained**



#### Colour code

- State of charge
- above 80%
  - between 20% and 80%
  - below 20%

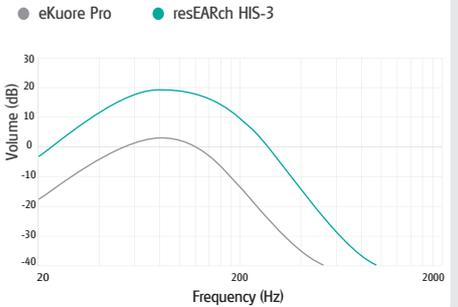
#### Filter (auscultation)

- Heart
- Lungs
- Both areas

#### Carrying strap



#### Frequency response



For further questions, please contact the resEARch hotline at +49 2557 38 48 58.  
[www.stethoscope-for-hearing-loss.com](http://www.stethoscope-for-hearing-loss.com)

## 1 First Steps

Before using the HIS-3, charge the device for about 2 hours with power in the off position. See item 3.

1. Screw the auscultation probe into the thread.
2. Switch on the HIS-3.



## 2 Filter Selection

1. Press the filter selector button several times to differentiate between heart and lungs.
2. In some cases it is advisable to set the filter to both areas to obtain more volume levels.

## 3 Battery

1. The battery life is approximately 10 hours. The time needed to charge it is approximately 2 hours.
2. Before charging the battery, switch off the stethoscope.
3. Connect the supplied Micro-USB charging cable to the Micro-USB charging port on the inner side of the stethoscope.
4. The red LED lights up while the battery is being charged. It goes off as soon as the battery is fully charged.
5. Always switch off the device after each use.

## 4 Connection Options

#### Hearing aids

1. Connect your hearing aid to the audio output port of the stethoscope, e.g. by means of a euro cable and audio adapter or with a jack via a streamer, e.g. Oticon StreamerPro, Phonak ComPilot or Siemens EasyTec. A connection with a telecoil (inductive coil) can be an option, however this is not or not always possible in hospitals or large surgeries because of interfering magnetic fields. The connection of a 2.4 GHz ReSound MultiMic and jack adapter is another alternative.
2. Reduce background noises by adjusting the volume by pressing the + or - button.
3. As soon as the maximum or minimum volume is reached, a signal tone will beep.
4. You can now start the auscultation.

#### Headphone

1. Connect a headphone or earphone to the audio output port of the stethoscope.
2. Reduce background noises by adjusting the volume by pressing the + or - button.
3. As soon as the maximum or minimum volume is reached, a signal tone will beep.
4. You can now start the auscultation.



## 5 Care Instructions

Switch off the HIS-3 and clean the auscultation probe and the plastic casing with a non alcoholic swab (e.g. Hartmann Microbac Tissues, REF 981387).

Make sure that no excess liquid enters the device. Never immerse the stethoscope in any cleaning fluids. Do not insert any objects into the openings of the stethoscope.