



Viper 170P

Hochleistungs-HdO-Hörgerät mit MPO

**Super Power BTE Hearing
Instrument with MPO**

Gebrauchsanweisung/User Instruction

The VIPER 170P hearing aid is a smart designed analog device, equipped with the latest technology to compensate individual hearing loss. Please read the instruction manual carefully in order to obtain the maximum benefit from your new hearing aid.

Before using the new hearing aid it is very important to spend some time to become acquainted with the essential user operated controls on.

Warning!

This device can reach sound pressure levels above 132 dB SPL!

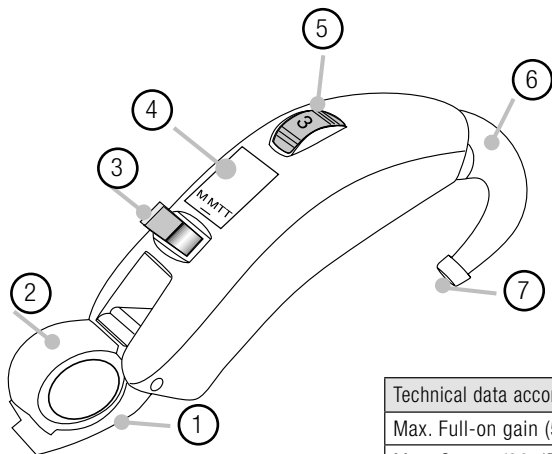
If used without attention this can cause impairments of hearing!

Hearing aids, their component parts and batteries can be dangerous if swallowed or improperly used, and can result in severe injury or death.

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VIPER 170P



- ① Battery Compartment
- ② Battery
- ③ Mode switch
- ④ Pre-set controls behind cover
- ⑤ Volume control
- ⑥ Hook
- ⑦ Sound outlet

Technical data according to DIN EN 60118-0	
Max. Full-on gain (50 dB SPL input)	82 dB
Max. Output (90 dB SPL input)	145 dB SPL
Current consumption in mA	2,8 mA at 1,35 V
Battery size	675
Average duration of performance / h zinc/air (capacity 640 mAh)	228 hrs

Battery Compartment

Before using your aid open the swing-out battery compartment and make sure that a new battery is inserted.

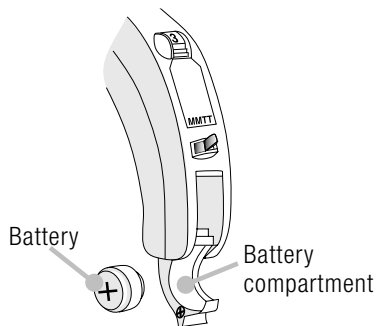
Changing the battery

Insert the new battery with the ⊕ side facing the ⊕ symbol inside the battery compartment. Before inserting a new battery, remove old battery first. Always use type 675 batteries. Please note: weak batteries might reduce the performance of the hearing aid.

Warnings concerning the battery

Batteries contain dangerous substances and should be kept in safe custody in the interest of

your safety and environment protection. Keep used batteries at a safe place and return them to a Hearing Aid Professional for recycling. Do NOT attempt to recharge batteries which are not specifically designated as rechargeable. Non chargeable batteries, set under voltage can leak or explode. Do NOT attempt to dispose batteries by burning. Keep batteries away from babies and children. If a battery is swallowed, consult a doctor immediately.



User-operated controls

Volume control

Volume is adjusted by means of an easy to use rotary control marked from »1« (minimum level) to »4« (maximum level). Start in position »1« and turn up the volume control until you reach the volume most comfortable to you.

Mode switch

The mode switch is located on the back of the aid below the volume control and selects between different listening options:

- M:** Microphone signal is on. Set the switch in this position for normal use.
- T:** Telecoil (induction) is on. This position should be used for undisturbed listening via a loop system, e.g. in public buildings, like churches, theatres etc., or at home. Telecoil can also be used with telephones if a strong magnetic field is generated. With the function switch in »T« position

the microphone signal is not audible.

MT: Both, microphone and induction (telecoil) signal are on, this position should be used for listening via a loop system, e.g. in churches, theatres etc. or at home while still retaining the microphone signal is audible. For example in the theatre while listening to the stage performance and additional listening to other sound sources or have a conversation with your companion.

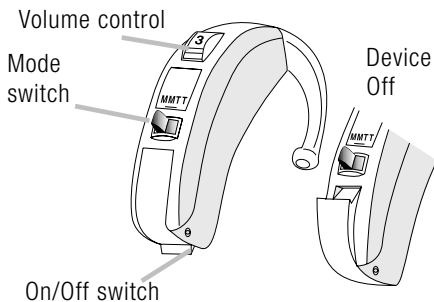
Please consult your Hearing Aid Professional if you have any questions regarding the use of telecoil operating in different situations.

On/off operation

The battery compartment operates in a defined setting as an On/Off switch. It allows to turn the device on and off without changing

the setting of the mode switch.

When the battery compartment is fully closed, the device is turned on. To turn the aid off, press the tab on the base of the device with your fingertip. The battery compartment opens a bit and the aid is turned off. Whenever you are not wearing the aid remember to turn it off in order to reduce battery consumption.



Audio input

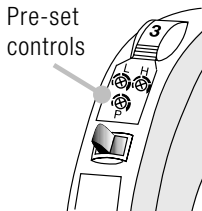
VIPER 170P offers the opportunity to connect television, radio, a handheld microphone or a wireless communication system via the audio input directly to the hearing aid. The audio shoe is the connector between the hearing aid and various signal sources. For more details please contact your Hearing Aid Professional. Before you can use the audio input, please make sure that your Hearing Aid Professional has removed the small cover on the bottom, so that 3 golden contacts are visible. To activate the audio input, set the Mode switch to »T« or »MT«.

In the position »T«, only the external signal from the audioinput is audible, at »MT« position the microphone is switched on additionally.

Pre-set controls

Pre-set controls are placed behind the cover on the back of the device. The cover should always remain closed to prevent dirt and moisture from intruding. If the cover gets lost, contact your Hearing Aid Professional. The pre-set controls will be adjusted by the Hearing Aid Professional during your fitting session. The setting of the controls is done according to the individual characteristics of particular hearing loss of the user.

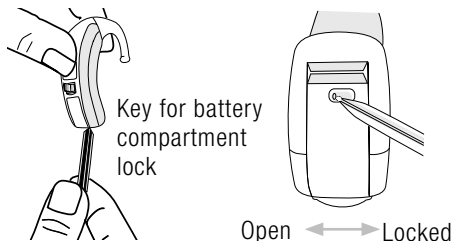
The control settings should therefore NOT BE CHANGED or readjusted except by your Hearing Aid Professional.



Battery compartment lock

To prevent babies and children from swallowing the battery the hearing aid includes a battery compartment lock. The lock prevents the compartment from opening. The battery compartment can only be opened with a special key tool. Please see the illustrations for opening and locking directions.

If the key gets lost the lock can also get unlocked with the tip of a pen/pencil. Nevertheless, we recommend that you contact your Hearing Aid Professional for a new key tool.



Instructions for cleaning your hearing system

Keep your hearing aid clean. Wipe it off with a soft cloth or tissue after use and remove grease and moisture. Remove any accumulated cerumen from the sound outlet, for example with a small brush. Never rinse the device in water or other liquids since this may cause permanent damage to the electronic. Keep your hearing aid dry. If the device has been exposed to high humidity or perspiration, put it in a sealed container (desiccator) together with a drying agent overnight. Consult your Hearing Aid Professional concerning which drying agent to use.

- Do never attempt to dry the hearing aid with a hair dryer, or in a microwave, etc.
- Protect your hearing aid from rough handling.
- Avoid dropping it on hard surfaces or floors.
- Do not leave the hearing aid near direct heat or sunlight.

Excessive heat can damage the hearing aid and even deform the housing.

Ear mould

The ear mould transmits the amplified sound from the hearing aid into the ear. It is important that the ear mould fits correctly into the ear without irritating or hurting the ear. If the ear mould irritates the ear in any way and prevents you from wearing the hearing aid, please contact your Hearing Aid Professional to adjust the ear mould on the ear. Never attempt to modify the shape of the ear mould by yourself. The ear mould should be cleaned every day. Remove the ear mould and the silicone tubing from the hearing aid before cleaning the ear mould. Lukewarm water should be enough to remove impurities from the ear mould. Never immerse the ear mould into disinfectant liquids, such as alcohol since this will damage

the tube. If cerumen is stuck in the sound canal of the ear mould, a syringe with lukewarm water can easily be used to “wash“ the cerumen out. The connecting silicone tube between ear mould and hearing aid should be changed if the tubing becomes stiff or brittle. To ensure that ear mould and tube are in good condition, please contact your Hearing Aid Professional.

Telephone use

To telephone while wearing your hearing aid requires some practice. Many hearing aids will whistle when the phone is near the hearing aid. To avoid this problem, the VIPER 170P is equipped with an induction coil. By switching the mode switch to »T« position, the hearing aid will only receive the sound from the telephone. You can increase the volume at the volume control so that the signal is comfortably loud. Unfortunately not all telephones are compatible

with the induction coil in the hearing aid and it will therefore not operate in the »T« position. If your telephone is not compatible with the induction coil, you can still use the hearing aid with the mode switch set in »M« position. Place the telephone receiver close to the microphone of the hearing aid, but not directly on the microphone. If you are in doubt about the compatibility of telephones in your area, please don't hesitate to contact your Hearing Aid Professional.

Induction loop systems

To take advantage of a induction loop system, move the mode switch either to »MT« or »T« position. In »MT« position you will be able to hear both induction loop signal and microphone signal. If the aid does not work in »MT« or »T« position the reason can be that the induction loop system doesn't operate. If the theatre or your church does not have

an induction loop system, be as close as possible to the event. For further information about the possibilities, please do not hesitate to contact your Hearing Aid Professional.

Safety precautions

- Consult a doctor if you have foreign particles in the ear canal, if skin irritation appears or if excessive cerumen appears with the use of the hearing aid.
- Different types of radiation, e.g. from MRI or CT scanners, may damage the hearing aid. Therefore, do not wear the hearing aid during these or other scanning procedures. Other types of radiation (burglary alarms, room surveillance systems, radio equipment, mobile telephones, etc) emit low energy and will not damage the hearing aid. Such radiations only impact the sound quality or can cause strange sounds by the hearing aid.

Warning: Do not wear the hearing aid in mines or other explosive areas, unless those areas are certified for hearing aid use.

Warning for Hearing Aid Professional:
The device can reach sound pressure levels above 132 dB SPL! If used without attention this can cause impairments of hearing!

Service & Repair

If your hearing system does not work, it must be repaired by a qualified service technician. Do not try to open the hearing system casing, as this will void the guarantee and warranty. Please contact your hearing aid acoustician/doctor if your hearing system needs repair.

Technical data

Maximum output 142 dB SPL
(2ccm Coupler/DIN EN 60118-7) (Typical)

Troubleshooting guide

If there are any other problems not mentioned in this instruction, please contact your Hearing Aid Professional.

SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
No operation	<ul style="list-style-type: none"> • Not turned on • Weak/low battery • Battery inserted incorrectly • Blocked ear mould 	<ul style="list-style-type: none"> • Turn on • Replace battery • Insert battery correctly • Clean ear mould
Not loud enough	<ul style="list-style-type: none"> • Volume set too low • Low battery • Loose ear mould • Plugged ear mould • Change in hearing • Excessive cerumen 	<ul style="list-style-type: none"> • Increase volume • Replace battery • Reinsert ear mould carefully • Clean ear mould • Consult your Hearing Aid Professional • Consult your ENT doctor
Intermittent	<ul style="list-style-type: none"> • Low battery 	<ul style="list-style-type: none"> • Replace battery
Whistles	<ul style="list-style-type: none"> • Loose ear mould • Too small ear mould • Volume set too high 	<ul style="list-style-type: none"> • Remove and reinsert • New ear mould required • Reduce volume
Crackling noise	<ul style="list-style-type: none"> • Low battery 	<ul style="list-style-type: none"> • Replace battery
Not clear, distorted	<ul style="list-style-type: none"> • Low battery • Poor fitting ear mould 	<ul style="list-style-type: none"> • Replace battery • Consult your Hearing Aid Professional
Weak telephone coil	<ul style="list-style-type: none"> • Volume set too low 	<ul style="list-style-type: none"> • Increase volume when using telephone coil



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0297 nach EU-Richtlinie 93/42/EWG
Qualitätsmanagementsystem nach DIN EN ISO 13485

According to EU guidelines 93/42/EEC
Quality management system according to DIN EN ISO 13485

