

avacío



audifon

High-Tech made in Germany



audifon develops and produces innovative and powerful hearing technologies. All processes, from the development of the first prototype to the final control of the instrument's production, are quality controlled according to DIN EN ISO 13485 standards. With a wide range of cosmetically attractive hearing instruments and a reputation for quality, audifon's world class offering assures high customer satisfaction. This satisfaction is guaranteed and is our goal in over 60 countries worldwide.

avacio



avacio – offers a complete product line in the fully digital – first class, including directionality down to a canal and one of the smallest directional bte's in the industry.

Speech Intelligibility

Improve your client's ability to hear and understand in noise with avacio's dual-microphone system. Using audifit, this system can be configured as an omni and/or a directional, as an omni or telecoil or both.

Automatic and Flexible

avacio is based on a state-of-the-art, high resolution digital signal processor (DSP). This multi-channel / multi-memory product line offers automatic systems such as an adaptive 128-band noise reduction and a multi-peak adaptive feedback canceller.

Comfort and Peace of Mind

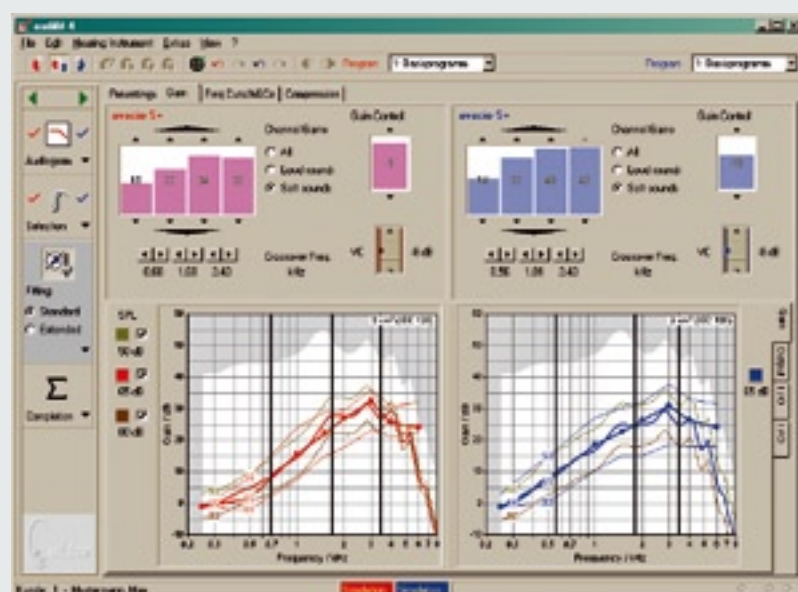
avacio's automatic features combined with better directionality, will give your clients comfort and better speech intelligibility in noisy situations and will give them peace of mind in knowing that they will stand less of a chance of getting that "embarrassing" whistle from feedback.



audifit

A straight forward fitting system

audifit is the efficient fitting system from audifon. The clear structure enables quick and intuitive handling.



The audifit software allows for adjustments of the following parameters:

4 channels/6 bands with adjustable channel crossover frequencies

- optimised fine-tuning of the frequency response for individual hearing losses
- high variability in practical use

Input source selection

- choose from omni-microphone or directional-microphone
- choose from telecoil, mic-telecoil or DAI

First Fit

- automatic first fit with high spontaneous acceptance
- fast listening success and a focused start into fine tuning

Easy/Expert mode

- choice between easy and expert mode
- systematic fine tuning with more than 50 fitting parameters in the advanced expert mode

Binaural fitting mode

- allows for simultaneous adjustment
- all parameters accessible to both sides at the same time
- copy function to copy instrument settings from one instrument to the other

Noise reduction

- adaptive 128-band noise reduction system
- adjustable level of aggressiveness

Feedback Suppression

- automatic feedback cancellation system



avacio

Features in detail

Microphone noise suppression

- suppression of microphone noises at low input levels (squelch or expansion)
- programmable with audifit software

Dual microphone system

- Optimisation of hearing in noisy environments
- Switch between either an omni- and directional mic. or between an omni-directional mic. and telecoil

Adaptive noise reduction

- 128-band, multi dimensional noise reduction
- adjustable aggressiveness

Volume control

- low and high level stops
- can be disabled

Low battery warning tone

- acoustic alert for low battery voltage
- adjustable level and frequency

Memories

- freely programmable in the audifit software
- multiple algorithms to choose from
- multiple input sources; Mic, Telecoil, Mic + Telecoil
- independant memory

Automatic feedback cancellation (AFC)

- reduces acoustic feedback
- multi-spike cancellation without losing gain



avacio

technical specifications ITE instruments



	avacio CIC	avacio IS	avacio IS+
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Peak values

Full-on gain _{max} /OSPL90 _{max} in dB	41/108	47/110	58/120
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Battery size	10	312	13
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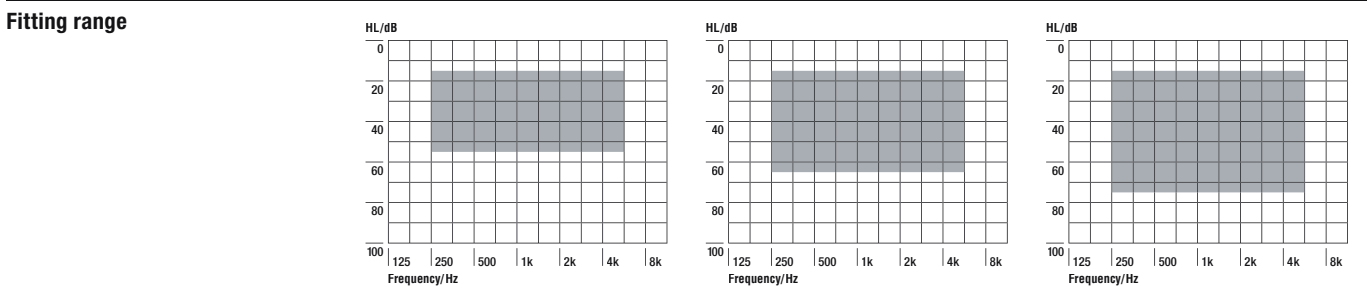
Frequency range (Hz)	100-8,000	100-8,000	100-7,300
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Product features	<ul style="list-style-type: none"> - 4 channels - 6 band equalizer - adjustable crossover frequencies - low battery warning tone - microphone noise suppression - automatic feedback cancellation - adaptive noise reduction - up to 4 memories - memory change indicator tone 	<ul style="list-style-type: none"> - 4 channels - 6 band equalizer - adjustable crossover frequencies - low battery warning tone - microphone noise suppression - automatic feedback cancellation - adaptive noise reduction - 4 memories - memory change indicator tone 	<ul style="list-style-type: none"> - 4 channels - 6 band equalizer - adjustable crossover frequencies - low battery warning tone - microphone noise suppression - automatic feedback cancellation - adaptive noise reduction - 4 memories - memory change indicator tone
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Options	<ul style="list-style-type: none"> - w/o memory switch - volume control - semi modular faceplate without poti 	<ul style="list-style-type: none"> - Omni-mic/Dir-mic - volume control - telecoil 	<ul style="list-style-type: none"> - Omni-mic/Dir-mic - volume control - telecoil
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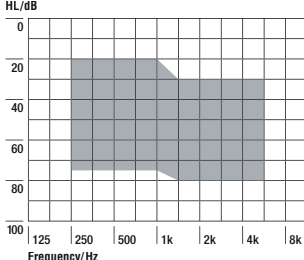
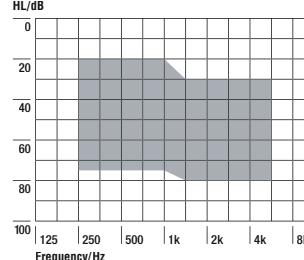
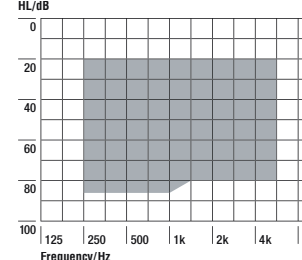
Colors	<ul style="list-style-type: none"> pink tan brown 	<ul style="list-style-type: none"> pink tan brown 	<ul style="list-style-type: none"> pink tan brown
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Faceplate surface	domed	domed	domed
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avacio

technical specifications BTE instruments

	avacio S	avacio S+	avacio M
			
Peak values			
Full-on gain _{max} /OSPL90 _{max} in dB	56/124	56/124	65/133
Battery size	312	13	13
Frequency range (Hz)	100-6,000	100-6,000	100-5,600
Product features	<ul style="list-style-type: none"> - 4 channels - 6 band equalizer - adjustable crossover frequencies - 2 memories - memory change indicator tone - low battery warning tone - microphone noise suppression - automatic feedback cancellation - adaptive noise reduction - programable volume control - programable telecoil - Omni-mic/Dir-mic - one of the smallest BTE casings 	<ul style="list-style-type: none"> - 4 channels - 6 band equalizer - adjustable crossover frequencies - 2 memories - memory change indicator tone - low battery warning tone - microphone noise suppression - automatic feedback cancellation - adaptive noise reduction - programable volume control - programable telecoil - Omni-mic/Dir-mic - one of the smallest BTE casings 	<ul style="list-style-type: none"> - 4 channels - 6 band equalizer - adjustable crossover frequencies - 2 memories - memory change indicator tone - low battery warning tone - microphone noise suppression - automatic feedback cancellation - adaptive noise reduction - programable volume control - programable telecoil - Omni-mic/Dir-mic
Options	<ul style="list-style-type: none"> - volume control cover 	<ul style="list-style-type: none"> - volume control cover - direct audio input (DAI) - audio adapter 	<ul style="list-style-type: none"> - volume control cover - direct audio input (DAI) - audio adapter
Colors	<ul style="list-style-type: none">  beige  grey  anthracite  brown  nougat 	<ul style="list-style-type: none">  beige  grey  anthracite  brown  nougat 	<ul style="list-style-type: none">  beige  grey  anthracite  brown  nougat
Faceplate surface	 transparent (colorable)	 transparent (colorable)	 transparent (colorable)
Fitting range	 <p>HL/dB vs Frequency/Hz</p>	 <p>HL/dB vs Frequency/Hz</p>	 <p>HL/dB vs Frequency/Hz</p>

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