

ADHEAR System

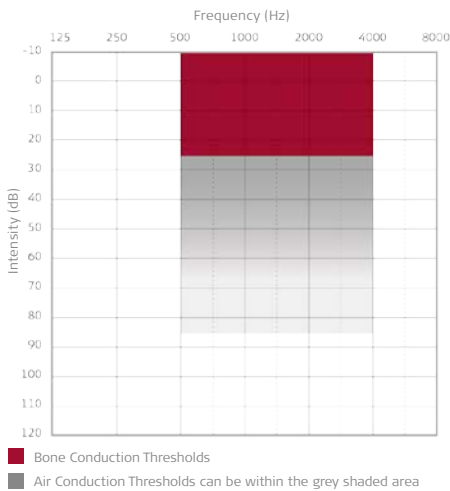
Including the ADHEAR Audio Processor
and the ADHEAR Adhesive Adapter



Selection Criteria for ADHEAR

A Non-surgical Bone Conduction System

Conductive Hearing Loss



- Unilateral or bilateral conductive hearing loss, either chronic or temporary
- Single-sided deafness (i.e. unilateral profound sensorineural deafness) with normal hearing on the contralateral side
- For all age groups

Placement of the ADHEAR

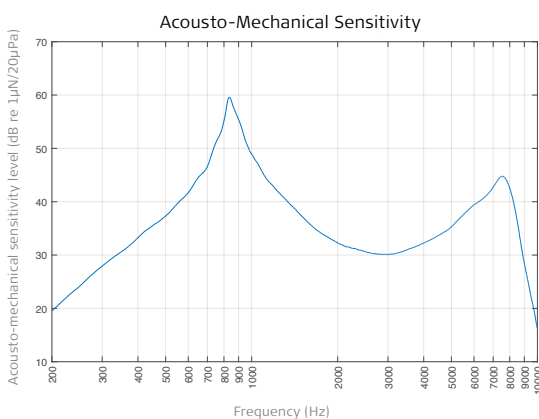
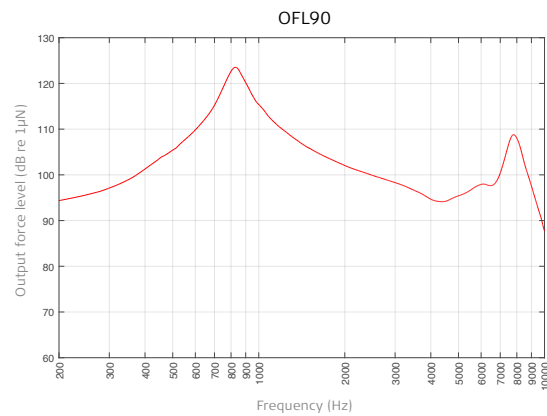
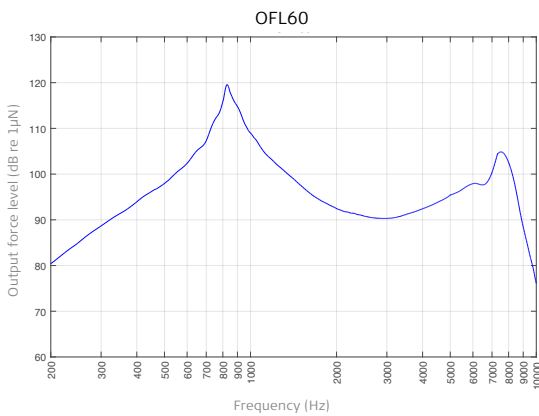


ADHEAR Adhesive Adapter

ADHEAR Audio Processor

ADHEAR Audio Processor

Technical Information



Weight	13.5 g (without battery: 12.7 g)
Dimensions	Height: 15 mm, Width: 35 mm, Depth: 24 mm
Battery type	13 (PR 48, Zinc -Air)
Battery current	0.87 mA (at 60 dB SPL input, 1600 Hz)
Audio frequency range	250 Hz – 8000 Hz
Peak OFL at 90 dB SPL	124 dB re 1µN
Peak OFL at 60 dB SPL	120 dB re 1µN
Acousto-mechanical sensitivity level (at 60 dB SPL input, 1600 Hz)	36 dB re 1µN/20µPa
Total harmonic distortion (at 60 dB SPL input)	< 5 % above 600 Hz
Equivalent input noise level	28 dB re 20µPa

The acousto-mechanical sensitivity is the ratio between the vibratory force output and the sound pressure input.

ADHEAR

Stick. Click. Hear.

What is ADHEAR?

ADHEAR is effortless

- Adhesive non-surgical solution
- Simple handling
- Symmetrical design can be used on either ear

ADHEAR is gentle

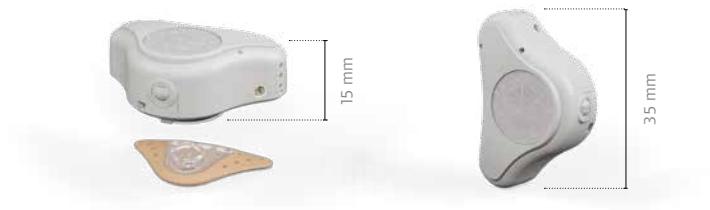
- No pressure on to skin
- High wearing comfort
- Breathable adhesive

ADHEAR is reliable

- Stays in optimal position, offering consistent access to sound

ADHEAR is cosmetically appealing

- Inconspicuous position behind the ear



ADHEAR System Features

ADHEAR Audio Processor

Intelligent hearing system

- Adapts automatically to the user's environment

Up-to-date microphone features and signal processing

- Directional and omni-directional microphones, feedback cancellation and noise reduction

Connectivity

- Can be connected to audio devices (mobile phones etc.), Bluetooth streamers and accessories, FM receivers, telecoil receivers

Four different programs

- Pre-configured programs therefore no programming required
- Programs can be changed at the push of a button

Choice of colours

- Available in Simply Black, Terra Brown and Dove Silver

Easy to use

Battery lifetime up to two weeks

ADHEAR Adhesive Adapter

Highly innovative technology

- Optimised for sound transmission without pressure onto the skin

Single-use adhesive

- Can be worn 3 to 7 days

Water resistant

- Can be worn during bathing, showering and other water-related activities

Choice of colours

- Available in beige or brown



Technical Data

ADHEAR Audio Processor

Power supply

- One non-rechargeable size 13 zinc-air button cell with a nominal 1.4-Volt supply (IEC identifier PR48)

Signal processing

- Automatic adaptive directional microphone system
- 8-band Digital Equalizer
- 8 independent compression channels
- Wind Noise Reduction
- Feedback Reduction without reducing gain
- Microphone noise reduction adjustable via squelch ratio and threshold
- 4 pre-configured programs (up to 6 possible)

Controls

- Volume control and program button
- Turn the system off by opening the battery compartment or by switching to Program 4 (microphone feature is muted)

Devices to be connected to the audio input socket:

- Audio devices such as mobile phones
- Bluetooth streamers and accessories
- FM receivers
- Telecoil receivers

Available in three different colours
Simply Black, Terra Brown, Dove Silver

ADHEAR Adhesive Adapter

Dimensions

- Height: 4 mm
- Width: 29 mm
- Depth: 19 mm
- Weight: 1 g

Materials in skin contact

- Medical adhesive, non-toxic and non-allergic according to ISO 10993.

Available in two different colours

- Beige or brown

ADHEAR Accessories

The following accessories can be ordered from MED-EL:

- ADHEAR Adhesive Adapters
- ADHEAR Headband
- ADHEAR Positioning Tool
- ADHEAR Sleeves
- Cleaning brush
- Design stickers
- Daily case (different sizes available)
- Travel case
- Retention clip

Cables

- Angled adapter cable
- Micro USB audio cable
- FM adapter cable
- Long audio input cable, bilateral input (100 cm)
- Long audio input cable, unilateral input (100 cm)
- Short audio input cable, bilateral input (45 cm)
- Short audio input cable, unilateral input (45 cm)

The following additional accessories for professionals can be ordered from MED-EL:

- ADHEAR Demo Stand
- ADHEAR Shade Selection Cards



ADHEAR Positioning Tool



Design stickers



Short audio input cable



For further information visit
medel.com/products-adhear