

For Professionals

MED^{EL}

ADHEAR SYSTEM

Including the ADHEAR Audio Processor
and the ADHEAR Adhesive Adapter

NEW



hearLIFE

What is ADHEAR?

ADHEAR is effortless

- Adhesive non-surgical solution
- Simple handling

ADHEAR is gentle

- No pressure onto the skin
- High wearing comfort

ADHEAR is reliable

- Stays in optimal position, offering consistent access to sound

ADHEAR is cosmetically appealing

- Inconspicuous position behind the ear



ADHEAR Adhesive Adapter

ADHEAR Audio Processor

ADHEAR System Features

ADHEAR Audio Processor

Intelligent hearing system

Adapts automatically to the user's environment

Digital Signal Processing

Omni directional and automatic adaptive directional microphones, feedback reduction and noise reduction

Four different programs

Pre-configured programs therefore no programming required; optional programming software is available

Programs can be changed at the push of a button

Connectivity

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

Choice of colors

Available in Simply Black, Terra Brown and Dove Silver

ADHEAR Adhesive Adapter

Highly innovative technology

Optimized 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 colors

Available in beige or brown





ADHEAR
Stick. Click. Hear.

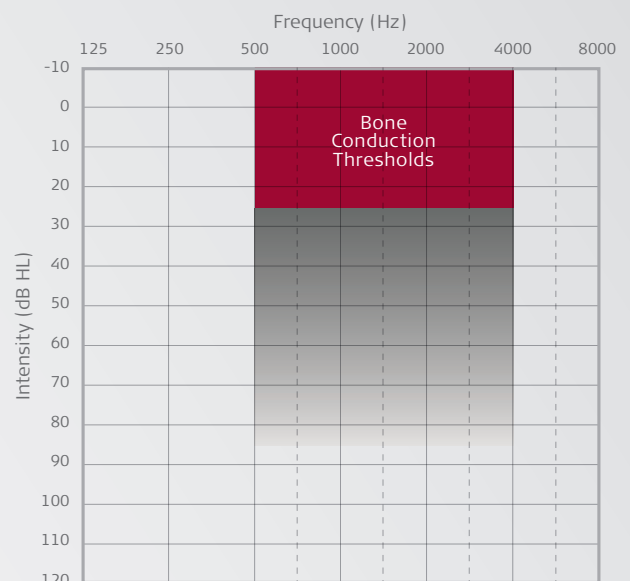
Selection Criteria for ADHEAR

A Non-surgical Bone Conduction System



- 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

Fitting Range: Conductive Hearing Loss

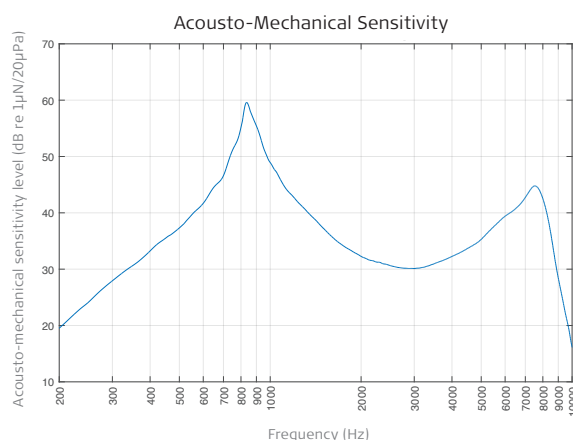
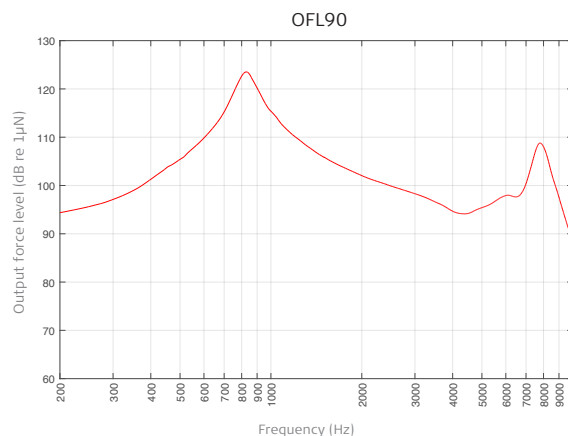
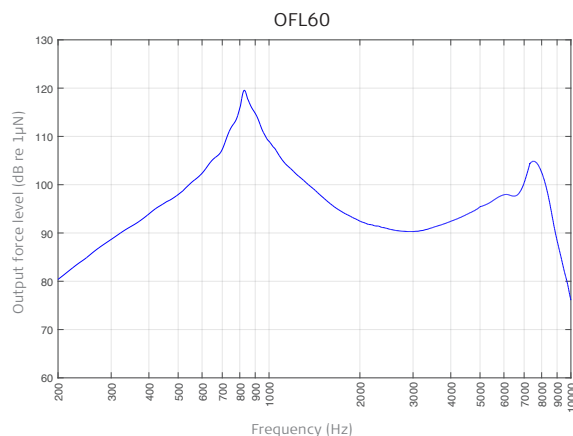


■ Bone Conduction Thresholds

■ Air Conduction Thresholds can be within the gray shaded area

Technical Data

ADHEAR Audio Processor Technical Information



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

Weight, including battery	< 15g
Dimensions	Height: < 15 mm, Width: < 35 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

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
- Noise reduction control
- Feedback reduction

Controls

- Volume control and program button
- Mute function available
- Turn the system off by opening the battery compartment

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 colors
Simply Black, Terra Brown, Dove Silver

ADHEAR Adhesive Adapter

Dimensions

- Height: < 6 mm
- Width: < 30 mm
- Weight: < 1 g

Materials in skin contact

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

Available in two different colors

- 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
- Daily case
- Design stickers
- Retention clip

Electronic Accessories

The following cables are available for use with the ADHEAR Audio Processor:

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

- 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

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