QUICK GUIDE

COMPASS GPS

AUDIOMETRY

Introduction

This quick guide explains the Audiometry tool in COMPASS GPS. The Audiometry tool is found under the START SESSION and FITTING themes.

⚠	The developed SPL in the ears of children can be substantially higher than in average adults. RECD measured to correct target of fitted OSPL90 is recommended.

The Audiometry tool contains audiogram, REUG and RECD related information. The actual audiogram measurement cannot be made in this window. The software will either use the data from the audiogram module connected to your database, or the *Enter Audiogram* option in the COMPASS GPS stand-alone database. COMPASS then uses this audiogram data to make calculations for the hearing aid fitting.

Audiogram

The audiogram tab is located in the lower half of the main workspace. This tab allows for registration of the audiometric conditions used when establishing the client's audiogram. These conditions are taken into account when COMPASS interprets the hearing thresholds used for the hearing aid fitting. The following choices are available in this tab:

- *Measurement type*: You can choose between behavioral audiometry (Audiometry, dB HL), auditory brainstem response established in dB normalized hearing level (ABR, dB nHL), and auditory brainstem

response or auditory steady state response established in dB estimated hearing level (ABR/ASSR, dB eHL).

- *Transducer type*: The list of available transducers depends on the selected measurement type. You can always choose between *Insert phone and foam tip* and *Insert phone and earmold*. But if you chose Audiometry (dB HL) under Measurement type, you have more choices. These are *Headphones, Free field (0°), Free field (45°)* and *Free field (90°)*.

  Note: You can change the *nHL to eHL correction* values used for the fitting, but only if you have chosen the ABR (dB nHL) option under the Measurement type drop-down box.

REUG

The REUG tab is located next to the Audiogram tab. Under the REUG tab you can enter any individual REUG values you have measured for your client. COMPASS then uses the individual REUG values to correct the hearing aid fitting.

Start by choosing whether you want to use average or individual REUG values by means of the radio buttons in the middle of the tab. The default is *Average REUG*.

The REUG values can be changed in 1 dB steps. If you want to copy individual REUG values to the opposite ear, use the *Copy to right/left ear* button.

RECD

The RECD tab is located next to the REUG tab. Under the RECD tab you can enter any individual RECD values you may have measured for your client. COMPASS then uses the individual RECD values to correct the hearing aid fitting.

Start by choosing whether you want to use average or individual RECD values by means of the radio buttons in the middle of the tab. The default is *Average RECD*.

If you are working with individual RECD values, choose the 2cc coupler and the transducer type used for RECD measurement from the drop-down lists. Then enter the measured values in the fields.

The values can be changed in 1 dB steps. If you want to copy individual RECD values to the opposite ear, use the *Copy to right/left ear* button.

For further information and guidance, open the Help system from the top navigation bar in the COMPASS GPS program, or by pressing the F1 button on your keyboard.

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