What do you need for testing?

Description	Art.-Nr.
BASS 2.0 *Scope of delivery:* • BASS 2.0 - PC software with premium license • External control unit for the PC (USB connection) • MediTOOLs evaluation software (full version) • Stereo headphones MT-70-X	**2020-USB**

For testing with BASS 2.0 you also need a computer.
Information on minimum system requirements can be found on the page

https://www.meditech.de/software-downloads

Information about professional testing of central auditory functions:

https://www.hoer.fitness/hoeranalyse
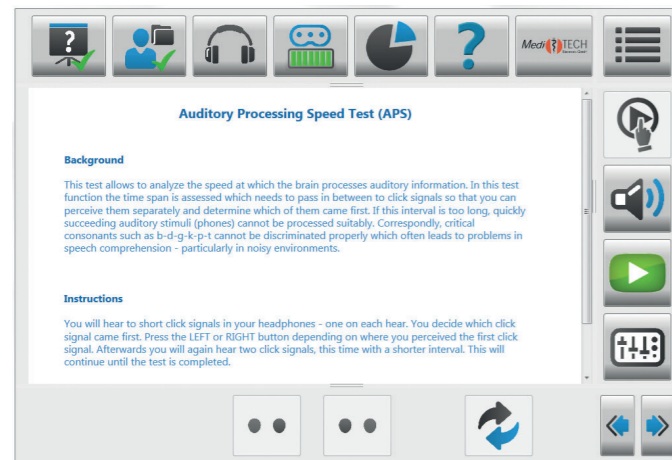
Further information:

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BASS 2.0 –
Analysis of Central Auditory Processing

Analysis of central auditory functions in just a few steps

BASS is deliberately designed to be so intuitive that users can navigate through the program independently and without previous knowledge and can carry out the tests. This can be done either by the test person himself or by the tester.
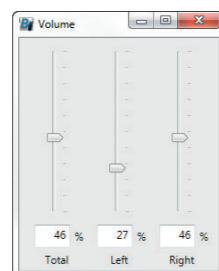
1. Enter customer

Test persons' name, date of birth and gender are entered – ready: the customer is entered into the database.

First Name: John
Surname: Sample
Date of Birth: 1/4/1955
Gender: male

2. Adjust headphone volume

The test volume can be adjusted totally or as required left and right separately to the test person's needs. Unnoticed it is tested if the customer has placed the headphones correctly.

Volume
46 %   27 %   46 %
Total   Left   Right

3. Perform central hearing test

Sequence (variable):

• auditory processing speed

• directional hearing

• pitch discrimination

• auditory motoric coordination

• auditory reaction time

• frequency pattern recognition

• duration pattern recognition

These seven central auditory functions are tested. In order to understand the object set him quickly and safely: In advance the test person can read an explanatory text and / or watch a video introduction per test (approximately 60 seconds in length). The test status is displayed in time.

4. Evaluation and reporting with just one click

In the evaluation screen will be displayed

• best value reached

• hearing age "corresponds to xx years"

• review and training recommendation

Auditory Processing Speed Test (APS)

The Auditory Processing Speed is the measure for auditory signal resolution. If the score is too high (the speed too low), discriminating critical phonemes such as b-d-g-k-p-t becomes quite challenging. This typically leads to significant problems in processing and comprehending spoken language (particularly in noise). This capability allows you to discriminate all phonemes (and corresponding letters) fast and reliably.

The top score of 55 ms was accomplished.

This result is equivalent to an age level of 26 years.

Specifically training the auditory processing speed with a target score of 49 ms is recommended.

A descriptive report with graphical representation of the test process and training recommendations can be automatically created, printed and handed to the customer.

Comprehensive findings – clear results.

Auditory Order Threshold (AOT): This is the measure for the time resolution of auditory stimuli. If the measured value is too high, you will likely have difficulties in discriminating critical plosives such as b-d-g-k-p-t, with corresponding struggles in language comprehension particularly in noisy environments. In this test a score of 55 ms was achieved. The reference score for your age group is 99 ms and the target score is 50 ms. The score achieved is equivalent to an age level of 27 Years.

It is recommended to train the auditory order threshold (AOT) up to a target score of 50 ms.