

AUDIO

Diagnostic Audiometer



AUDIO

The AUDIO is an advanced audiometer that allows all classical diagnostic tests to be performed such as Air Conduction, Bone Conduction and Speech Audiometry. The system has a modern design to meet the needs of daily routine in private practices and clinics. It's high grade wearless magnetic detented control dials allow a sensitive adjustment of the hearing level.

Basic Configuration

- Audiometer, integrated power supply, microphone, live-speech test
- Colour white or silver
- High frequency 12.5 kHz
- Air conduction transducer
- Bone conduction transducer
- Patient responder
- Monitor headset with microphone
- compatible to PC software NOAH, CONNEXX, Avantgarde

Options

- High frequency audiometry 9-16 kHz
- National speech tests on request
- CD-player
- Free field speaker set
- External talk forward microphone with goose neck
- External patient talk back microphone
- PC software NOAH, CONNEXX, Avantgarde with GDT-Interface on request

Technical Data

Tests

- Tone Audiometry
- Speech audiometry with single word stepping, stored on internal memory card
- SISI test with built in counter, automatic presentation of 20 increments in steps of 5,3,2 and 1 dB
- ABLB test - alternating, adjustable in steps 1 or 5 dB

Standard Frequencies

- 125, 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, 8000 Hz (also frequency modulated, pulsed)
- 12.5 kHz

High Frequency

High frequency audiometry (option)

- 9, 10, 11.2, 12.5, 14, 16 kHz
- Air conduction: high grade Sennheiser audiometric earphones HDA 200 (replace the HDA 280)

Hearing Level Ranges

- Air Conduction: -10 dB / 120 dB HL at mid-frequencies
- Bone Conduction: -10 dB / 70 dB HL at mid-frequencies
- Free Field: 10 dB / 100 dB HL, with active loudspeaker
- Free Field: 10 dB / 85 dB HL, with passive loudspeaker

Level Settings

- Click free in steps of 1 dB or 5 dB throughout the range, wearless magnetic detented control dials

Tone Presentation

- Normal and invers

Masking

- Automatic selection of Narrow Band noise for pure tone presentation
- Wide-Band noise, speech-masking noise

Outputs

- Air conduction: high grade Sennheiser audiometric earphones HDA 280, (options: Holmco PD-95, Holmco PD-81, Beyerdynamic DT-48, Telephonics TDH 39, E-A-Rtone 3A)
- Bone conduction: B71 audiometric earphones
- Sound field: integrated amplifier for active or passive loudspeaker

Data Interfaces

- USB Device Interface to PC

Software

- compatible to PC software NOAH, CONNEXX, Avantgarde

Inputs

- CD / Tape, Talk-Over, Talk-Back

Power supply

- 110/230 V +/- 10%, 50/60 Hz

Safety meets

- EN 60601 and MDD 93/42/EEC (class IIa)

Standards

- Audiometer category 2, EN 60645-1 and category B-E, EN 60645-2

Dimensions, Weight

- 135 x 480 x 390 mm (H x W x D), appr. 4 kg

All designs and specifications subject to change without notice.

Happersberger otopront GmbH
Langgasse 90
D-65329 Hohenstein

Tel.: +49 (0) 61 20 - 92 17 0
Fax: +49 (0) 61 20 - 92 17 60

www.otopront.com
E-Mail: info@otopront.com