

Audiometer MA 41

Perfect Ergonomic Design and Comfortable Handling

Portable and Stand-Alone Audiometer

The MA 41 is a stand-alone audiometer with pure tone, speech and free-field audiometric testing. It is designed for ENT diagnostics, hearing aid fitting and for mobile audiometry. Its ergonomic design and comfortable handling allow a user-friendly operation.

Tone Audiometry

The MA 41 performs tests using air conduction (AC) headphones, bone conduction (BC) receiver, optional insert phones or optional loudspeakers. Built-in test signals include pure tone, warble tone, narrow band and speech noise.

Speech Audiometry and Communication

The device offers the playback of speech files from a removable SD memory card or from external sources. The inputs include ports for CD speech test material and live voice speech by microphone. The talk forward and talk back functions as well as the monitoring of all signals by internal speaker or monitor phone facilitate its operation – especially in noise excluding cabins.

Features at a glance

- Tone and speech audiometer for AC, BC (phone and inserts) and free-field testing
- Pure tone, warble tone, narrow band and speech noise
- Speech tests from SD memory card, CD or via microphone
- Individual customization by extensive configuration options
- Direct printout of the results via optional external printer
- USB PC interface
- Optional patient database or NOAH compatible software
- Internal patient database for more than 1000 test results



Technical Data

MA 41 SPECIFICATIONS

Test Signals	Pure tone and warble tone (pulsed and continuous)
Masking Signals	Narrowband noise and speech noise
Tone Tests	HL, UCL, Aided (free-field), High tone (optional)
Speech Tests	SRT, WRS, UCL, MHA (optional)
Calculation	PTA, selectable frequencies
Level Steps	5 dB, 2 dB or 1 dB

AIR CONDUCTION

Frequency Range	125 to 8000 Hz; optional up to 16000 Hz
Level Range	-10 to 120 dB _{HL} depending on headset and frequency

BONE CONDUCTION

Frequency Range	250 to 8000 Hz
Level Range	-10 to 80 dB _{HL} depending on headset and frequency

FREE-FIELD

Frequency Range	125 to 8000 Hz
Level Range	-10 to 90 dB _{HL}

GENERAL

PC Interface	USB
Dimensions	34.5 cm x 20 cm x 8 cm
Weight	1.5 kg
Power Supply	100-240 V~, 50/60 Hz ± 10%
Display	High-resolution color display, 640 x 480 px

STANDARD COMPONENTS

- AC headset DD45
- BC headset B71
- Patient response switch
- Gooseneck microphone
- 2 GB SD memory card
- Power supply cable
- Operating manual
- Quick guide

OPTIONAL ACCESSORIES

- AC headset Holmco 8103
- AC headset TDH39
- BC headset B81
- BC headset BKH 10-3 with special headband for masking (only in combination with 1 AC headset)
- Insert phones IP30
- Headset for high frequency audiometry HDA300
- Loudspeaker Canton incl. cable
- Talk-back microphone for patient
- Monitor phone for examiner
- Monitor phone Sennheiser PC 131 for examiner
- CD player incl. power supply and connecting cable
- Patch cord for sound room
- Carrying case
- NOAH audiometry software module
- Patient database software

STANDARD

IEC 60601-1
IEC 60645-1, type 2
IEC 60645-2, type B
according to medical device directive 93/42/EEC

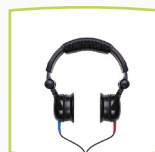


Specifications are subject to change without notice.

Standard Components



MA 41 with gooseneck micro



AC headset DD45



BC headset B71

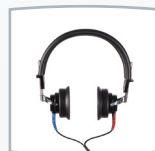


Patient response switch

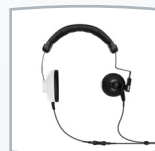
Optional Accessories



AC headset Holmco 8103



AC headset TDH39



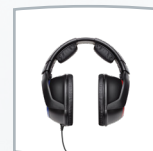
BC headset BKH 10-3



BC headset B81



Insert phones IP30



AC headset HDA300

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