

MA 33 PC Controlled Audiometer

Screening made Easy and Mobile

The MA 33 is our small, fast and flexible PC audiometer for every occasion. The operation via USB connection to your PC or notebook is very easy and the MA 33 allows numerous possibilities to highly adapt the settings to your personal preferences and needs. The software offers various fast and reliable audiometry methods.

Whether you are an ENT doctor, general or occupational health practitioner, audiologist or pediatrician, the various test methods make the MA 33 the ideal device for you.

Automatic Test – Hughson-Westlake

With the optional Hughson Westlake test the MA 33 can record an audiogram without any control of an examiner. Voice prompts will instruct the test person and wrong answers will be detected.

Features at a Glance

- Air Conduction, Bone Conduction and Speech tests
- Optional PILOT-Hearing TEST for children in 33 languages
- SISI, Stenger and automatic Hughson-Westlake tests available
- Intuitive handling of the clearly presented user interface
- Operate at your convenience with your mouse or keyboard
- Small, fast, flexible and highly mobile
- Display and store your results in one second
- Includes MAICO Patient Database



Technical Data

MA 33 SPECIFICATIONS

Test Signals	Sinus or warble tone (pulsed and continuous)
Test Frequencies Hz	125, 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, 8000
Intensity	5 dB
Audiometer Class	Class 4 (with Bone Conductor Class 3) according to EN 60645-1
Masking	Narrow band noise masking, automatic or manually adjustable

AIR CONDUCTION

Test Intensity Tone	-10 dB HL to 105 dB HL (depending on frequency)
Test Intensity Speech	-10 dB HL to 90 dB HL (depending on frequency)
AC Headphone	DD65 v2 optional: DD45

kHz	0.125	0.25	0.5	0.75	1	1.5	2	3	4	6	8
dB HL DD65 v2	70	90	100	105	105	105	105	105	105	95	90
dB HL DD45	80	100	105	105	105	105	105	105	105	105	100

BONE CONDUCTION

Test Intensity	-10 dB HL to 75 dB HL (depending on frequency)
BC Headphone	B71

kHz	0.25	0.5	0.75	1	1.5	2	3	4	6
dB HL B71	45	65	70	70	70	75	70	70	50

SISI TEST

Modulation Test Signal	4,8/0,2 s ; 1 dB (test) 4,8/0,2 s ; 5 dB, 3 dB, 2 dB (preparation)
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PC REQUIREMENTS

Processor	2 GHz Intel Core 2 Duo CPU
Memory	2 GB RAM
Graphics	1280 x 1024 (opt.), 1024 x 768 (min)
USB	1 free USB port
Operating System	Windows® 10 SP1 (x86 and x64) Windows® 8 / 8.1 (x86 and x64) Windows® 7 SP1 (x86 and x64)

GENERAL

Power Supply	via USB
Size / Weight	15.4 cm x 10.3 cm x 2.7 cm / 300 g

STANDARD

EN 60 601-1	
EN 60 645-1	
Instrument complies with 93/42/EWG	
Directive for Medical Product Class II a	

STANDARD COMPONENTS

MA 33 device, Air conduction headphone DD65 v2, Patient response switch, Software, MAICO patient database, USB cable, Carrying bag, Operating Manual, Quick Guide

OPTIONAL PILOT TEST MODULE

Software package, picture chart, roll of stickers

OPTIONAL ACCESSORIES

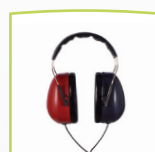
BC Headphone B71, Headphone DD45

Specifications are subject to change without notice.

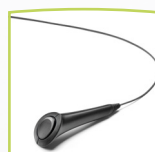
Standard Components



MA 33 device



Headphone DD65 v2

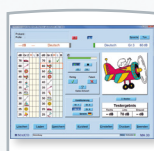


Patient response switch



Carrying bag

Optional Accessories



PILOT TEST Software



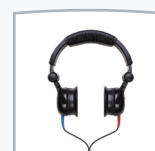
Picture chart



Roll of stickers



BC Headphone B71



Headphone DD45