

# Excellence in Hearing Screening and Diagnostics

## MAICO Product Line:

- Screening Audiometers
- Diagnostic Audiometers
- PC Audiometers
- Tablet Audiometers
- Middle Ear Analyzers
- OAE Test Systems
- AABR Test Systems
- AABR + OAE Combo Systems
- Software

This catalogue gives you an overview of the full MAICO product range. If you are looking for more detailed information please visit the MAICO Website [www.maico.biz](http://www.maico.biz) or contact the MAICO International Sales Team at:

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9/2024

# Hearing Screening for All Ages



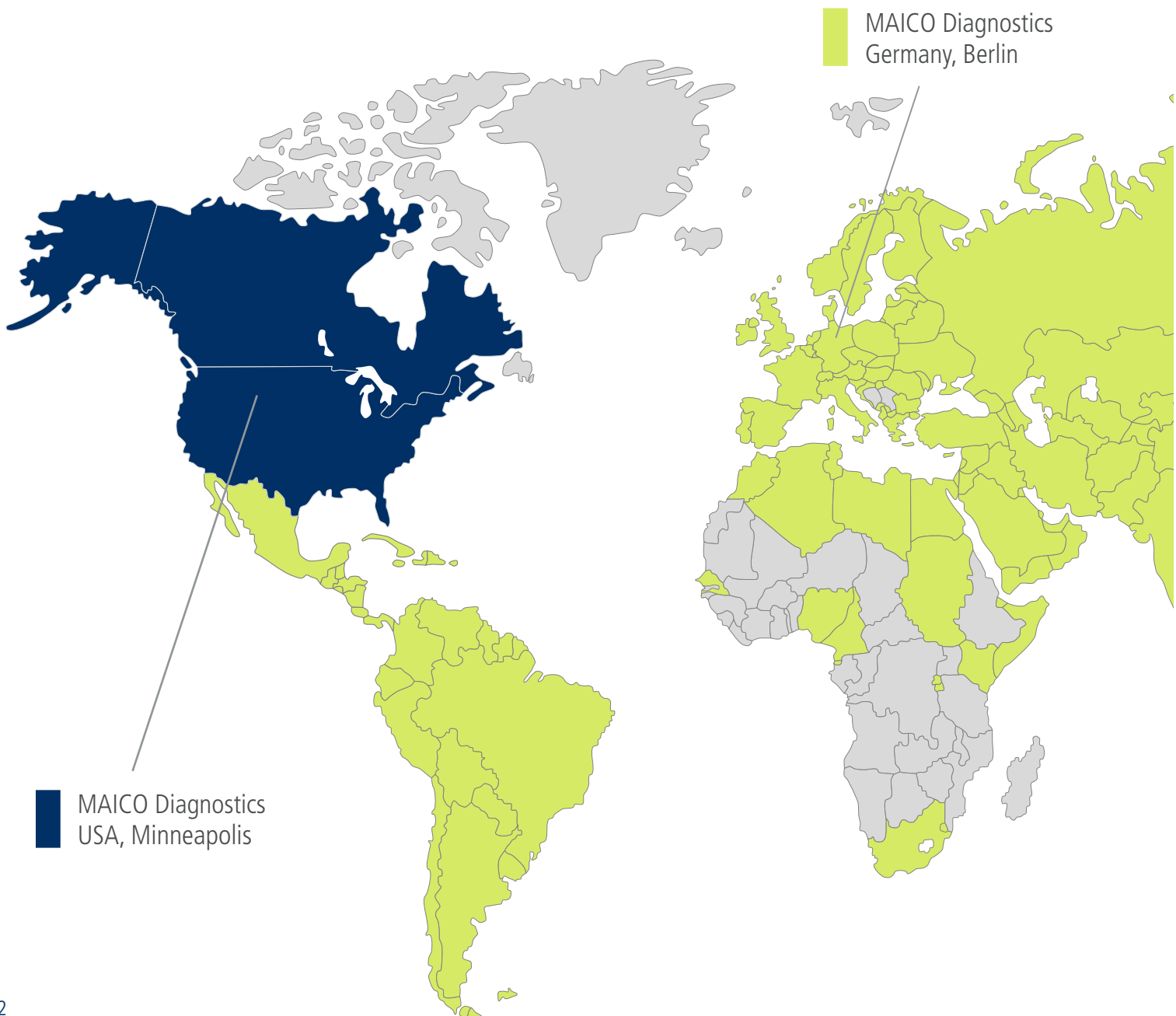
## General Catalogue

Hearing Screening & Diagnostics

Welcome to the World of MAICO

We look forward to hearing from you.

*Worldwide represented in  
120 countries in cooperation with  
190 business partners*



## About MAICO Diagnostics

For more than eight decades MAICO has been an innovator in audiological instruments, developing, producing and distributing reliable products ranging from hearing screening to diagnostic solutions.

MAICO has grown over the years to fulfill the specialized needs of the growing field of audiology. From screening audiometers for school nurses and general practitioners to complex diagnostic instruments for comprehensive examination, MAICO provides novel and efficient tools for hearing healthcare professionals.

The future of MAICO is to continue our commitment to providing state-of-the-art technology combined with easy-to-use solutions, fast and reliable service and dedicated customer support.

- 1 Screening Audiometers
- 2 PC Audiometers
- 3 Tablet Audiometers
- 4 Diagnostic Audiometers
- 5 Middle Ear Analyzers
- 6 AABR Screener
- 7 AABR / OAE Combo
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- 9 Software
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# Screening Audiometers



## MA 1

Super-lightweight handheld hearing screener – small enough to fit in the palm of your hand

- Portable air conduction hearing screener (only 450 g)
- Pure tone signal from 15 to 50 dB HL
- Frequencies: 500, 1000, 2000 and 4000 Hz
- AC headphones DD45 or DD65 v2



## MA 25

Easy and mobile basic screening audiometry

- Air conduction (headphones DD45 or DD65 v2)
- Continuous, pulse, warble tones
- Battery operated, optional AC adapter
- Automatic audiometry according to Hughson-Westlake (optional)
- Optional MAICO Sessions PC Software supported



## MA 27

Portable audiometer with built-in case and storage

- Air conduction (headphones DD45 or DD65 v2)
- Continuous, pulse, warble tones
- Automatic audiometry according to Hughson-Westlake (optional)
- AC adapter
- Optional MAICO Sessions PC Software supported



## MA 28

Portable audiometer with AC & BC

- Compact and portable with built-in handle
- AC test frequencies from 125 to 8000 Hz
- BC test frequencies from 250 to 8000 Hz
- Pure tone and warble tone (pulsed and continuous)
- Narrow band and white band masking noise
- Automated Hughson-Westlake included
- Optional MAICO Sessions PC Software supported



## PILOT TEST

Fast and fun hearing tests for children - especially designed for pediatricians

- Pure tone audiometer
- PILOT TEST - picture supported audiometry for children (2-7 years)
- High quality speech recognition tests available in more than 30 languages
- Stores up to 20 different languages
- Optional MAICO Sessions PC Software supported



## TREMETRICS RA660

PC-controlled Industrial Audiometer for testing up to 8 people at the same time

- Intuitive testing with TREMETRICS HearCon Software
- Optional room monitor for analyzing ambient noise
- Talk-over communication to any or all test subjects
- Portable and lightweight at 500 grams
- Automatic voice-instructions in multiple languages
- Automatic or manual testing with customizable settings
- Bio-Acoustic Simulator for daily calibration and checks

## 1 Screening Audiometers

### First class performance

MAICO Screening Audiometers provide fast and reliable hearing test results. They are designed for general practitioners, pediatricians, occupational health trained screeners and other screening purposes.

Refer to the product comparison charts on page 22 to select the most suitable instrument for your individual needs.

# PC Audiometers



Tests	MA 33	MA 33 BC
Tone	√	√
Bone Conduction		√
SISI Test		√
Stenger	√	√
BPTA	√	√
Hughson-Westlake Automatic Test	optional	optional
Pilot Hearing Test	optional	optional

## MA 33

Small, light-weight PC-controlled audiometer for fast and reliable tone audiometric screening appropriate for children and adults

- Air conduction and bone conduction
- Optional Pilot Hearing Test for children in 33 languages
- Automated Hughson-Westlake, SISI, Stenger and BPTA available
- Small, fast, flexible and highly mobile
- Intuitive handling of the clearly presented user interface
- Operate at your convenience with your mouse or keyboard
- Display and store your results in one

## MA 33 Versions

- MA 33 – Air conduction
- MA 33 BC – Air and bone conduction

## MA 33 Pilot Hearing Test

MA 33 with Pilot Hearing Test Software for children from 2 - 7 years

- Picture chart
- Picture supported audiometry
- Available in more than 30 different languages



## Tablet Audiometers

### easyTone

Tablet audiometry with quick pass and refer results.  
New with Pure Tone Audiometry for advanced testing.



Guided workflows and individual protocols ease the daily work. The digitized data management allows import and export of screening list and results between your computer and the easyTone.

- State of the art tablet audiometer
- Audiometer built-in easyTone headphone
- Overall pass/refer result
- Easy transition from screening to threshold determination
- Protocol wizard for easy set up
- Guided workflow preventing operator errors and saving time
- Room noise monitoring
- Circumaural headphone with high attenuation
- Direct printout of results or share to e-mail
- Companion Software for screening list management

## 2 PC Audiometers

### Flexible Screening Solution

MAICO PC-controlled audiometers are the right choice for everyone who prefers to work with a computer:

All instruments are easily operated using mouse and keyboard. The software offers customized, fast and reliable tests and allows comfortable and easy administration of data.

## 3 Tablet Audiometers

### State-Of-The-Art Hearing Screening

The perfect choice for modern hearing screening. Portable MAICO tablet audiometer are intuitive and easy to use – ideal for occupational health and school screening.

Next  
update  
available

Refer to the product comparison charts on page 22 and 23 to select the most suitable instrument for your individual needs.

# Diagnostic Audiometers



## MA 42 Two-Channel Diagnostic Audiometer

Ergonomic, portable and designed to ease testing process

- Air, bone and speech 2 channel audiometer
- Mixing signals and channels independently
- Connection of one or two AC transducers, BC and sound field testing
- Optional high frequency audiometry up to 16000 Hz
- Advanced diagnostic test functions
- Optional Extended Special Tests: SISI, Tone Decay, ABLB, MLB, Langenbeck test
- Full colorful display with simple screen design
- Small footprint for ease of portability
- Easy access to talk forward, talk back and monitor functions
- License management center for easy upgrades
- Direct printout of the results via optional printer, store report as PDF or quickly transfer to MAICO Sessions PC software
- Optional MAICO Sessions PC Software connectable with OtoAccess® or Noah patient database for easy data management





## 4 Diagnostic Audiometers

### Improved Hearing Testing

Ergonomic design combined with portability and a wide variety of diagnostic test features – MAICO diagnostic audiometers are ideal for Audiologists, ENTs as well as hearing aid suppliers in or out of the clinic.

### Audiometry on the go has never been easier

The MA 42 diagnostic audiometer is ideal for mobile audiometry. Its small size and minimal weight (1.5 kg) allow comfortable testing on the go. Use the optional carrying case as your mobile office and make it even easier to take the MA 42 wherever you need it. The ergonomic design allows for minimal hand wrist movement while testing to protect you from getting tired – even on a long workday.

Sessions  
PC Software  
supported



Refer to the product comparison charts on page 23 to select the most suitable instrument for your individual needs.

# Middle Ear Analyzers

## easyTymp Basic

Handheld Middle Ear Analyzer for fast tympanometry and acoustic reflex tests

- Very fast and reliable middle ear measurement
- Probe tone 226 Hz, optional high frequency probe tone 1 kHz
- Ipsilateral reflex test with 4 frequencies plus optional broadband noise
- Automatic tests – simple to use
- Extensive storage
- Optional wireless thermal printer
- Optional MAICO Sessions PC Software supported



## easyTymp Plus

Additional Features and Accessories:

- Contralateral acoustic reflex tests
- Extra long Contra Probe cable

## easyTymp Pro

Additional Features and Accessories:

- Contralateral acoustic reflex tests
- Reflex decay testing
- Eustachian tube function (ETF) testing (intact and perforated)
- Extra long Contra Probe cable



## 5 Middle Ear Analyzers

### From Screening to Diagnostic Solutions

All easyTymp Middle Ear Analyzers perform fast tympanometry and ipsi-lateral reflex tests – tympanometry only takes three seconds.

Test Protocols Available	easyTymp Basic		easyTymp Plus		easyTymp Pro	
	Included	Optional	Included	Optional	Included	Optional
226 Hz	√		√		√	
226 Hz + Ipsi Reflex Auto	√		√		√	
226 Hz + Ipsi Reflex 90 dB	√		√		√	
226 Hz + Ipsi-Contra Auto			√		√	
226 Hz + Ipsi-Contra 90 dB BB			√		√	
Reflex Decay Ipsi					√	
Reflex Decay Contra					√	
ETF Non Perforated					√	
ETF Perforated					√	
1 kHz		√		√		√
1 kHz + Ipsi Reflex Auto		√		√		√
1 kHz + Ipsi Reflex 80 dB BB		√		√		√
1 kHz + Ipsi-Contra Auto				√		√
1 kHz + Ipsi-Contra 80 dB BB				√		√
Sessions PC Software		√		√		√



Sessions  
PC Software  
supported

Refer to the product comparison charts on page 24 to select the most suitable instrument for your individual needs.



# Middle Ear Analyzers

## touchTymp MI 24

The first in our ALL-Touch impedance Line

- Ergonomic and responsive Pen Probe
- Provides test results within seconds
- Allows testing from infants to adults
- Customizable to suit individual needs
- Full 10.4" touch-based interface for an intuitive operation
- Innovative probe lights allow a patient-focused handling
- Probe tone 226 Hz, optional high frequency probe tone 1 kHz
- Acoustic reflex frequencies 500 Hz, 1 kHz, 2 kHz, 4 kHz (ipsi- and optional contralateral)
- RaceCar animation to maintain child's attention
- Built-in printer



touchTymp MI 24



## touchTymp MI 26

Additional Features to touchTymp MI 24

- Air conduction audiometry
- Optional bone conduction audiometry



## touchTymp MI 34

Additional evaluation possibilities for diagnostic tympanometry:

- Unique shoulder box with light bar
- Optional high-frequency probe tone 1 kHz
- Acoustic reflex stimuli 500 Hz, 1 kHz, 2 kHz, 4 kHz, BB, HP, LP (ipsilateral and contralateral)
- Reflex Decay test (ipsilateral and contralateral)
- ETF test for intact and perforated eardrums

## touchTymp MI 36

Additional Features to touchTymp MI 34

- Air conduction audiometry
- Bone conduction audiometry




## 5 Middle Ear Analyzers

### Our ALL-TOUCH solution

The touchTymp line is designed to turn tympanometry into an intuitive, efficient and enjoyable operation. Choose between tympanometry only versions or combo devices with audiometry.

Sessions  
PC Software  
supported

Test Protocols available	touchTymp			
	MI 24	MI 26	MI 34	MI 36
226 Hz	√	√	√	√
678 Hz, 800 Hz			√	√
1000 Hz	optional	optional	optional	optional
Automatic or fixed Acoustic Reflexes	√	√	√	√
Acoustic Reflex Ipsilateral	√	√	√	√
Acoustic Reflex Contralateral	optional	optional	√	√
Reflex Decay Ipsi	√	√	√	√
Reflex Decay Contra			√	√
ETF			√	√
Audiometry pure tone and warble tone		√		√
Air Conduction		√		√
Bone Conduction		optional		√
RaceCar Animation 	√	√	√	√
Sessions PC Software	optional	optional	optional	optional

### touchTymp RaceCar Animation – now in all models from touchTymp MI 24 up to touchTymp MI 36

Colourful animation keeps children focused

We make immittance testing easy and fast by focusing the child's attention on an exciting race car animation. The animation distracts the child and turns the test procedure into an engaging and fun experience: the start of a tympanometry or reflex screening becomes the start of a high-speed car race. This makes the screening procedure easier for you and more enjoyable for your little patients!



Refer to the product comparison charts on page 24 to select the most suitable instrument for your individual needs.

# Automated ABR Screening

 **CE-Chirp®** inside



## MB 11 BERAphone®

The only AABR Baby Screener without disposables for state-of-the-art newborn hearing screening

- Fastest ABR algorithm on the market, verified by independent scientist
- Unique BERAphone® with integrated electrodes saves costs for disposables
- Innovative CE-Chirp® Stimulus for reliable results
- Automatic Impedance Check indicates impedance conditions
- Easily comprehensive "Pass" or "Refer" result
- Cutting-edge PC software for easy operation
- Guided screening process with on-screen instructions
- Flexible data exporting options for tracking

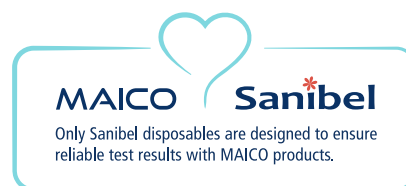
## The Patented CE-Chirp™

Stimulates all regions of the cochlea at the same time and thus generates much higher responses and consequently faster results than a standard click. This leads to very reliable results under normal nursery conditions.

## MB 11 Classic Screener

Binaural automated ABR screening

- Fast and automated ABR-screening with CE-Chirp® Stimulus
- Simultaneous binaural screening
- Automatic skin impedance check ensuring precise and clear signal conditions
- Easy-to-use PC software for more efficiency
- Indication of electrode positions on preparation screen
- Automatic Data export for easy tracking



Sanibel Supply is exclusive supplier of MAICO ABR disposables. Use only Sanibel disposables to achieve optimal test results.



## NEW Intuitive MB 11 PC Software for More Efficiency

The updated software guides through the entire screening process. Streamline your workflow by adjusting the user interface to your needs. Focus more on your patients than on data handling. Get all needed instructions on-screen during preparation and all through the test to ensure best results. You can quickly print the results or save them as a PDF. Automated tracking export in various formats reduces your effort even further.

### 6 ABR Screener

MAICO screening solutions with automated auditory brainstem response detection provide fast and reliable screening results of the entire auditory pathway.

Our unique BERAprone® even lets you perform screening without disposables, preserving our environment and your budget at the same time.



# ABR and OAE Screener

## easyScreen

Our combined ABR + OAE newborn hearing screener

- Fast and easy ABR + OAE hearing screening
- Powerful ABR detection algorithm for testing within seconds
- Truly intuitive user interface
- On-screen guidance; i.e. probe fitting feedback, noise monitoring
- Small and lightweight
- Large color touchscreen for comfortable navigation
- Very short boot-up time and long battery life
- Cradle for charging
- Optional HearSIM™ device manager with OtoAccess® Database

## The Choice is Yours

Choose your ideal combination of ABR with our unique BERAprone® transducer and/or EarCup™ plus optional TEOAE and/or DPOAE probe.



easyScreen with unique BERAprone®



### BERAprone®

Optional automated ABR screening transducer

- Comfortable and efficient automated ABR screening
- Integrated electrodes save costs for disposables
- Adapts gently to any head shape
- Color-coded LEDs show test conditions and status

### Insert Earphones

Optional insert earphones with or without Sanibel Infant EarCup™

- Ideal for reliable testing in less quiet environments
- Easy positioning of EarCup™ reduces preparation time

### OAE SnapPROBE™

Optional OAE screening probe

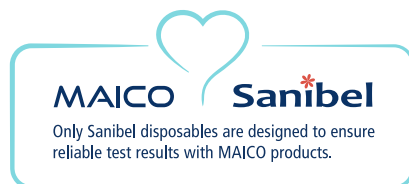
- Extremely light-weight and small
- Unique Sanibel™ eartips
- Easy to clean and disinfect

## OAE Test Systems

### ERO•SCAN

Ultra-portable, handheld device for screening and diagnostic testing with TEOAE and / or DPOAE

- Objective hearing tests for all ages
- Fast automatic test with "Pass" or "Refer" and graphical test result
- Direct evaluation via value graph or SNR diagram
- Sharp, colored organic LED Display
- Upgradable to advanced diagnostic capabilities
- Diagnostic DPOAE testing up to 12 kHz
- High noise immunity for operation in normal clinical environment
- Lightweight, small probe
- Environmentally friendly rechargeable battery
- Wireless communication to optional printer
- Multiple, easily selected language options
- Optional PC software solutions: MAICO Sessions and HearSIM™ (Screening only)
- Optional printer



## 7 AABR / OAE Combo

The combination of AABR and OAE screening in our easyScreen, gives you the flexibility to complete a 2-stage screening program with only one portable device.

We focus on supporting the screening staff in its vital work, with On-Screen-Guidance providing helpful tips. Accurate results within seconds make the screening most comfortable for the baby.

## 8 OAE Test Systems

The MAICO test systems for otoacoustic emissions provide fast and objective inner ear assessment with patients of all ages. You can perform a wide range of measurements from screening to diagnostic examination.

Refer to the product comparison charts on page 25 + 26 to select the most suitable instrument for your individual needs.

# Software

## HearSIM™

The perfect solution to manage your hearing screening instruments

HearSIM™ is the state-of-the-art PC application to manage newborn hearing screening data and devices. It's the first choice for screening programs with MAICO's easyScreen. If you're using the ERO•SCAN OAE Screener for Newborn Hearing Screening, you can benefit from the comprehensive data management options as well. HearSIM™ ensures that screening results can be forwarded to dedicated tracking centers for follow-up on those babies who need further evaluation of their hearing status. With the possibility to enter and export all required details, your screening program will be a full success.

### Features at a glance:

- Store, view and manage patient, test and tracking information
- Patient transfer to easyScreen and ERO•SCAN
- Configure easyScreen devices
- HiTrack, OZ, CSV and XML tracking export
- Built on OtoAccess® Database
- Server client installation option
- Optional EMR integration via Worklist HL7

### Supported devices:

easyScreen

ERO•SCAN Screener

### Supported measurements:

DPOAE & TEOAE

Screening ABR



## OtoAccess® Database

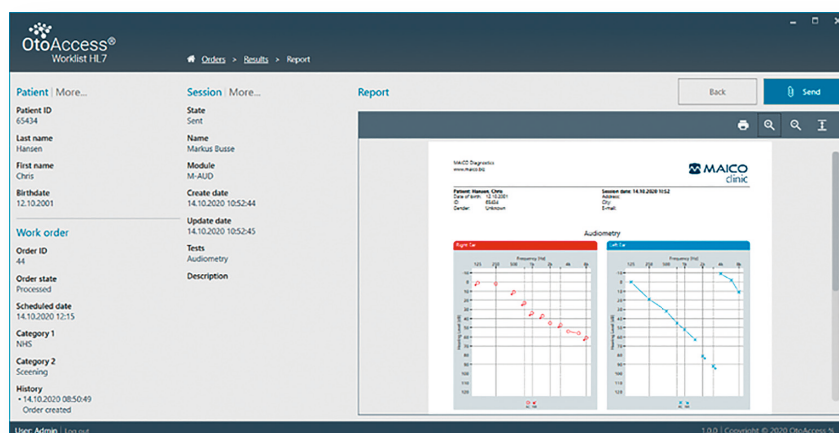
### Intuitive Database for all Hearing Test Results

Handling complex patient data with ease is the vision of the OtoAccess® Database. The database solution stands for user friendliness and an efficient workload. Thus, it is a perfect fit for smaller clinics and big hospitals alike. Moreover, with OtoAccess® Database you just continue working with your familiar MAICO solutions. All test results transferred to MAICO Sessions can be stored in the OtoAccess® Database. Sessions supports a wide range of MAICO's devices for audiometry, tympanometry or OAE testing. Even the results of MAICO's easyScreen get stored in the OtoAccess® Database for the HearSIM™ 3.0 and higher.

## OtoAccess® Worklist HL7

### The direct connection for your audiology equipment

OtoAccess® Worklist HL7 allows you to manage all of your audiological assessment appointments in one place. Just pick the order, perform the tests, and results are returned as test report to your hospital information system (HIS). All results of your performed hearing tests can be transferred and stored automatically in your OtoAccess® Database for easy access, review, and diagnostic evaluation. OtoAccess® Worklist HL7 is the perfect solution for all clinics and hospitals who want to reduce the workload of your employees and focus on your patients - save 5 to 10 minutes per patient.



### Features at a glance

- Seamless EMR integration solution
- Order-based HL7 versions 2.x supported
- Built on OtoAccess® Database
- Works independent of your instrument
- Supports most hospital systems
- Fast and easy implementation

### Supported devices

#### Sessions:

- MA 25e
- MA 27e
- MA 28
- MA 42 (2021 model)
- PILOT TEST

- easyTym
- touchTym
- ERO•SCAN

#### HearSIM™:

- easyScreen
- ERO•SCAN Screener

## 9 Software

Our software solutions are the perfect enhancement to our hearing test devices. The digitized management of patient data and test results ease your daily work significantly.

# Software

## Sessions

Fast and intuitive data management and visualization for audiometry, immittance and OAE tests

### Master your data, focus on care

Sessions is designed for fast and intuitive operation, allowing you to focus your attention on the patient. The simple navigation and modern GUI design lets you grasp key details at a glance to explain them clearly.

### Comprehensive connectivity

Always the ideal solution – You can link up Sessions to your database with full compatibility or run it standalone. Whatever your needs for data handling are, Sessions provides a strong platform to work on.

### Supported databases

- OtoAccess® 2.0 database
- Noah 4

### EMR/ EHR integration

- XML (patient import / measurement export)
- OtoAccess® Worklist HL7 compatible
- GDT

### Designed for screening

The clean icon-based user interface enables an efficient workflow and high-speed data management. You can easily customize and print reports to guarantee a professional appearance of your business.



## Features at a glance

- Full OtoAccess® or Noah database support
- EMR/ EHR integration via PDF, XML and HL7
- Simple and modern user interface
- Icon-based, intuitive navigation
- Automatic device detection
- No training required
- Customizable reports
- One click export as PDF or XML
- Wireless data transfer from ERO•SCAN



## Supported devices

- MA 25e
- MA 27e
- MA 28 (with patient transfer)
- MA 42 (2021 model)
- PILOT TEST
- touchTymp line
- easyTymp line (with patient transfer)
- ERO•SCAN (with patient transfer)

## Supported measurements

- Tone Audiometry
- High Frequency Audiometry
- Speech Audiometry
- QuickSIN™
- Freiburger Speech Test
- Tympanometry and Acoustic Reflexes (Tymp & Reflex)
- Eustachian Tube Function (ETF) Intact and Perforated
- Reflex Decay
- DPOAE
- TEOAE





MA 1



MA 25



MA 27



MA 28



PILOT TEST



TREMOMETRICS  
RA660

## Screening Audiometers

Functionality	MA 1	MA 25	MA 27	MA 28	PILOT TEST	TREMOMETRICS RA660
Type		4	4	3	4	4
Frequency Range [Hz] AC	500 - 4000	125 - 8000	125 - 8000	125 - 8000	250 - 8000	250 - 8000
Frequency Range [Hz] BC				250 - 8000		
Air Conduction [dB HL]	15 to 50	-10 to 100	-10 to 110	-10 to 110	-10 to 100	-10 to 100
Bone Conduction [dB HL]				-10 to 85 *		
Level Steps [dB]	5	5/1	5/1	5/1	5	5
Test Signal	Pure tone (continuous)	Pure tone, warble (pulsed and continuous)	Pure tone, warble (pulsed and continuous)	Pure tone, warble (pulsed and continuous)	Pure tone (pulsed and continuous)	Pure tone (pulsed and continuous)
Masking Signal				NBN, WN		
Special Tests		Hughson- Westlake *	Hughson- Westlake *	Hughson- Westlake	PILOT hearing test for children in 33 available languages	
Dimensions W x D x H [cm]	6.35 x 22.2 x 15.24	22.5 x 18 x 5.5	25.5 x 37 x 15	25.5 x 37 x 15	30 x 25 x 6	21.59 x 11.43 x 3.81
Weight [kg]	0.45	1	1.9	2.4	1.3	0.5
Power Supply	2 x AA batteries	3 x AA batteries	external VAC-Adapter, 100-240 V	external VAC-Adapter, 100-240 V	110-240V	via Interface box
External Printer				√ *	√ *	
Special Features		AC-Adapter, 100-240 V, can be powered via USB *	Power Supply via USB	Power Supply via USB		Test up to 8 people at the same time
Software		MAICO Sessions OtoAccess® database * Noah database * OtoAccess® Worklist HL7 * (for MA 25e only)	MAICO Sessions OtoAccess® database * Noah database * OtoAccess® Worklist HL7 * (for MA 27e only)	MAICO Sessions * OtoAccess® database * Noah database * OtoAccess® Worklist HL7 *	MAICO Sessions * OtoAccess® database * Noah database *	HearCON
Carrying Case		√ *	integrated hard case	integrated hard case	√ *	

\*optional



MA 33 (PC)



easyTone



MA 42

## 10 Comparison Charts

### PC & Tablet and Diagnostic Audiometers

Functionality	MA 33 (PC)	easyTone	MA 42
Type	4	4	2
Frequency Range [Hz] AC	125 - 8000	125 - 8000	125 - 8000 / 16000 *
Frequency Range [Hz] BC	250 - 6000		250 - 8000
Air Conduction [dB HL]	-10 to 105	-10 to 100	-10 to 120
Bone Conduction [dB HL]	-10 to 70 *		-10 to 85
Sound field [dB HL]			-10 to 115
Level Steps [dB]	5	5	5/2/1
Masking Signals	NBN		NBN, WN, SN
Test Signals	Pure tone, warble (pulsed and continuous)	Pure tone, warble (pulsed and continuous)	Pure tone, warble and pediatric noise (pulsed and continuous)
Speech Source			CD, microphone, internal storage
Special Tests	Stenger, SISI, BPTA, Hughson-Westlake, Pilot Hearing Test		Pure Tone Stenger, Speech Stenger, Master Hearing Aid, High Frequency Audiometry *, QuickSIN™*, Freiburger Speech Test *, Extended Special Tests *: SISI, Tone Decay, ABLB, MLB, Langenbeck Test
Dimensions W x D x H [cm]	15.4 x 10.3 x 2.7	Headphone Audiometer 19.1 x 9.3 x 13.4	36 x 18.5 x 7.5
Weight [kg]	1	Headphone Audiometer 0.389	1.5
Power Supply	via USB	via USB	AC-Adapter 100-240 V
External Printer			√ *
Software	MAICO patient database	easyTone app, easyTone Companion Software	MAICO Sessions * OtoAccess® database * Noah database * OtoAccess® Worklist HL7 *
Carrying Case	√	√ *	√ *

\*optional



easyTymp Line



touchTymp Line

## Middle Ear Analyzers

Functionality	easyTymp Basic	easyTymp Plus	easyTymp Pro	touchTymp MI 24	touchTymp MI 26	touchTymp MI 34	touchTymp MI 36
Tympanometry Frequencies [Hz]	226, 1000 *	226, 1000 *	226, 1000 *	226, 1000 *	226, 1000 *	226, 678, 800, 1000 *	226, 678, 800, 1000 *
Tympanometry Intensity [dB SPL] at 226 Hz	85	85	85	85	85	85	85
Pressure Range [daPa]	-400 to +200	-400 to +200	-400 to +200	-600 to +400	-600 to +400	-600 to +400	-600 to +400
Pump Speed [daPa/sec]	automatic	automatic	automatic	automatic, minimum, medium, maximum	automatic, minimum, medium, maximum	automatic, minimum, medium, maximum	automatic, minimum, medium, maximum
Compliance Range [ml] 226 Hz Compliance Range [mmho] 1 kHz	0.1 to 8.0 0.1 to 15.0 *	0.1 to 8.0 0.1 to 15.0 *	0.1 to 8.0 0.1 to 15.0 *	0.1 to 8.0 0.1 to 15.0 *	0.1 to 8.0 0.1 to 15.0 *	0.1 to 8.0 0.1 to 15.0 *	0.1 to 8.0 0.1 to 15.0 *
Reflex Protocols	ipsi	ipsi and contra	ipsi and contra	ipsi and contra *	ipsi and contra *	ipsi and contra	ipsi and contra
Reflex Frequencies [Hz]	500, 1000, 2000, 4000	500, 1000, 2000, 4000	500, 1000, 2000, 4000	500, 1000, 2000, 4000	500, 1000, 2000, 4000	500, 1000, 2000, 4000	500, 1000, 2000, 4000
Reflex with Noise Stimulus	broad band noise*	broad band noise *	broad band noise*			BB, LP, HP	BB, LP, HP
Reflex Intensity [dB HL] (with automatic gain control)	70 to 100	70 to 100	70 to 100	ipsi: 70 to 105 contra *: 70 to 120	ipsi: 70 to 105 contra *: 70 to 120	ipsi: 70 to 105 contra: 70 to 120	ipsi: 70 to 105 contra: 70 to 120
Reflex Decay			ipsi and contra			ipsi and contra	ipsi and contra
ETF Test (intact and perforated ear drum)			√			√	√
Software	MAICO Sessions * with OtoAccess® * or Noah database *, OtoAccess® Worklist HL7 *	MAICO Sessions * with OtoAccess® * or Noah database *, OtoAccess® Worklist HL7 *	MAICO Sessions * with OtoAccess® * or Noah database, OtoAccess® Worklist HL7 *	MAICO Sessions * with OtoAccess® * or Noah database *	MAICO Sessions * with OtoAccess® * or Noah database *	MAICO Sessions* with OtoAccess® * or Noah database *	MAICO Sessions* with OtoAccess® * or Noah database *
Printer	√ *	√ *	√ *	built-in printer	built-in printer	built-in printer	built-in printer
Audiometry Air Conduction 125 - 8000 Hz					√		√
Audiometry Bone Conduction 250 - 8000 Hz					√ *		√
Masking Signal					NBN, WN *		NBN, WN
Carrying Case	√	√	√	√ *	√ *	√ *	√ *

\*optional



ERO•SCAN



easyScreen

## OAE and Combo Test Systems

Functionality	ERO•SCAN Screener	ERO•SCAN Diagnostic	easyScreen Combo-Screener
Test Method	DPOAE and / or TEOAE	DPOAE and / or TEOAE	TEOAE and DPOAE Screening + monaural or binaural AABR Screening
Frequency Range TEOAE [kHz] Frequency Range DPOAE [kHz]	1,5 to 4 2 to 5	0.7 to 4 1.5 to 12	1 to 4 1.5 to 6
Test Frequencies	6 TE 4 DP	10 TE 12 DP	4 TE 4 DP
Stimulus Intensity TEOAE Stimulus Intensity DPOAE	83 dB SPL fix 55/65 dB SPL	83 dB SPL 40 - 70 dB SPL	83 dB SPL 65/55 dB SPL
Test Protocols	2 TEOAE and / or 2 DPOAE	3 TEOAE and / or 5 DPOAE customizable	3 TEOAE, 6 DPOAE and 10 AABR adjustable with HearSIM™ software
Adjustable Measurement Parameters		Level, number of frequencies to pass, averaging time, SNR	
OAE PASS Criteria	fix	min. OAE level, min. SNR, number of frequencies for pass	min. OAE level, min. SNR, number of frequencies for pass
Results	PASS/REFER, Value Graph SNR Graph	PASS/REFER, Value Graph SNR Graph	PASS/REFER
Test Memory	500 tests	500 tests	250 patients with 50 test each
Probe	included	included	included
External Printer	√ *	√ *	√ *
Software	MAICO Sessions or HearSIM™ *	MAICO Sessions *	HearSIM™ with OtoAccess® *
Power supply	3.6 V lithium ion battery	3.6 V lithium ion battery	wireless (inductive charging) of 3.7 V lithium ion battery
Carrying Case	√	√	√

\*optional



MB 11  
BERAphone®



MB 11 Classic



easyScreen  
BERAphone®

## AABR and Combo Test Systems

Functionality	MB 11 BERAphone®	MB 11 Classic	easyScreen Combo Screener
Measurement	monaural AABR Screening	binaural AABR Screening	monaural or binaural AABR Screening + TEOAE/DPOAE
Device Type	PC based	PC based	handheld
Operation	via notebook	via notebook	via device touchscreen
Transducer	BERAphone®	IP30 with EarCups™	IP30 with ear tips / EarCups™ or BERAphone®
Electrodes	Integrated stainless steel, reusable	Single-use hydrogel snap electrodes	Single-use hydrogel snap electrodes or integrated reusable
Stimulus Type	CE-Chirp®	CE-Chirp®	CE-Chirp® and Click
Stimulus level	25 dB nHL to 45 dB nHL	25 dB nHL to 45 dB nHL	25 dB nHL to 45 dB nHL adjustable with HearSIM™ Software
Tracking	HiTrack, OZ, CSV	HiTrack, OZ, CSV	HiTrack, OZ, CSV and XML
Software	√	√	HearSIM™ * with OtoAccess®
Charging Cradle			√
Power Supply	via USB	via USB	wireless (inductive charging) of 3.7 V lithium ion battery
Carrying Case	√	√	√
Label Printer	√ *	√ *	√ *

\*optional

