MAICO

AN EARLY DETECTION
OF HEARING LOSS TODAY
**FOR A HEALTHY AND
ENJOYABLE LIFE TOMORROW**
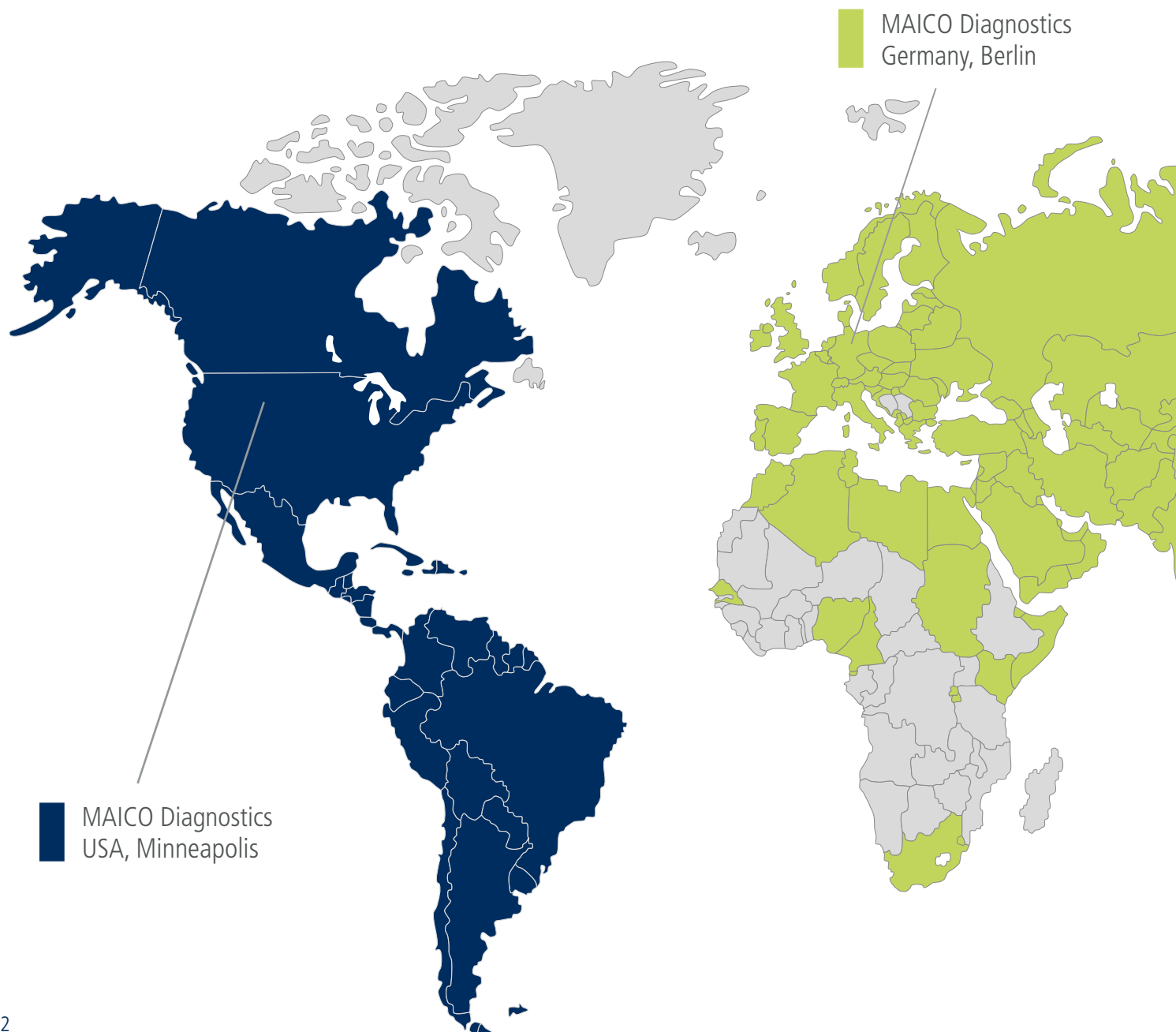
General Catalogue
Hearing Screening & Diagnostics

Welcome to the World of MAICO

We look forward to hearing from you.

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

MAICO Diagnostics
Germany, Berlin

MAICO Diagnostics
USA, Minneapolis

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.

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.

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

NEW Tablet Audiometer

easyTone

Tablet audiometry with quick pass and refer results.
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
- Air conduction from 125 Hz to 8000 Hz
- Screening with overall pass/refer result
- Protocol wizard to set up test protocols in 20 seconds
- Guided workflow preventing operator errors and saving time
- 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. With the portable MAICO tablet audiometers you get reliable test results quick and easy. Always intuitive and flexible - ideal for occupational health and school screening.

Available now

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

Diagnostic Audiometers

NEW 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, 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

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

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		√		√		√

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.

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 Analyzer

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)
- High resolution and quick screen transitions
- 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

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	optional	optional	optional	optional
Sessions PC Software	optional	optional	optional	optional

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

touchTymp RaceCar
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!

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

ERO•SCAN probe

MAICO Sanibel

Only Sanibel disposables are designed to ensure
reliable test results with MAICO products.

Sanibel Supply is the exclusive supplier
of MAICO ERO•SCAN disposables.
Use only Sanibel disposables to
achieve optimal test results.

Automated ABR Screening

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
- CE-Chirp® Stimulus ensures fast results
- Automatic Impedance Check indicates impedance conditions
- Export function of test data for ensuring quality tracking
- Stimulation level at 35 dB nHL
- USB connection for power supply and data transfer
- Easily comprehensive "Pass" or "Refer" result

MB 11 Classic Screener

PC-based binaural AABR Screener with flexible electrodes for infants and older children

- Fast and automated ABR-screening with CE-Chirp® Stimulus
- Binaural, simultaneous screening
- Fast Steady State Algorithm determining "Pass" or "Refer" result
- Automatic Impedance Check ensuring good testing conditions
- Automatic Data export for easy tracking
- USB connection for power supply and data transfer

CE-Chirp® inside

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.

6 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.

7 AABR Screener

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

Our unique BERAphone® 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 BERAphone® transducer and/or earcups plus optional TEOAE and/or DPOAE probe.

TEOAE / DPOAE

ABR

OAE SnapPROBE™

Optional OAE screening probe

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

Insert Earphones

Optional insert earphones with or without Sanibel Infant EarCups™

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

MAICO easyScreen with unique BERAphone®

MAICO

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.

HearSIM™ Software supported

BERAphone®

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

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.

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.
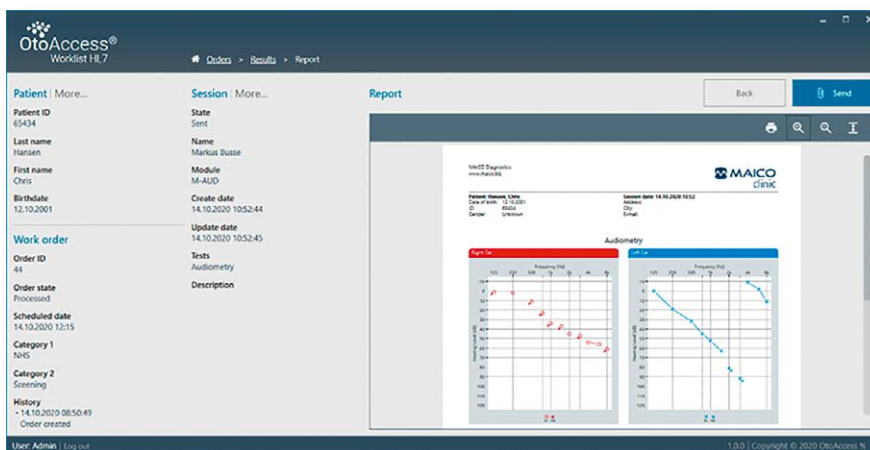
OtoAccess® Worklist HL7

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		**HearSIM™**
MA 25e	easyTymp	easyScreen
MA 27e	touchTymp	ERO•SCAN Screener
MA 28	ERO•SCAN	
MA 42 (2021 model)		
PILOT TEST		

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.

![MAICO logo]

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

Supported devices

MA 25e
MA 27e
MA 28 (with patient transfer)
MA 42 (2021 model)
PILOT TEST
touchTymp line and RaceCar Module
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 | TREMETRICS RA660 |

Screening Audiometers

Functionality	MA 1	MA 25	MA 27	MA 28	PILOT TEST	TREMETRICS RA660
Type		4	4	4	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 80 *		
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**

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 70	-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 (Speech)		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 cm	36 x 18.5 x 7.5
Weight [kg]	1	Headphone Audiometer 0.389	1.5
Power Supply	via USB	Headphone via USB-C, Tablet via lithium ion battery	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

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 *
Seal Sensitivity	fix	fix	fix	fix	fix	fix	fix
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

*optional

OAE and Combo Test Systems

Functionality	ERO•SCAN Screener	ERO•SCAN Diagnostic	easyScreen Combo-Screener
DPOAE / TEOAE	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	80 ± 3 dB SPL fix 55/65 dB SPL	80 ± 3 dB SPL 40 - 70 dB SPL	83 dB SPL 65/55 dB SPL
Test Protocols	2 TE and / or 2 DP	3 TE and / or 5 DP customizable	3 TE and 4 DP 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	monaural or 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	35 dB nHL	35 dB nHL	25 dB nHL tow 45 dB nHL adjustable with HearSIM™ Software
Tracking	HiTrack, OZ	HiTrack, OZ	HiTrack, OZ, CSV and XML
Software	√	√	HearSIM™ *
Charging Cradle			√
Power Supply	USB	USB	wireless (inductive charging) of 3.7 V lithium ion battery
Carrying Case	√	√	√
Label Printer	√ *	√ *	√ *

*optional

Notes

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 or contact the MAICO International Sales Team at:

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Email: sales@maico.biz

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