

# PC Based Audiometers

by Maico Diagnostics

## **MA33 & MA55™**

*The ideal choice for health care professionals on the go*



*MA33 Pictured*



[www.maico-diagnostics.com](http://www.maico-diagnostics.com)

# Portable - PC Based Audiometers

Our PC based Audiometers are the premier choice for the rehabilitative needs of your patient. With advanced technology the MA33 and MA55 will take you through the complexities of your patients evaluations with confidence and efficiency.

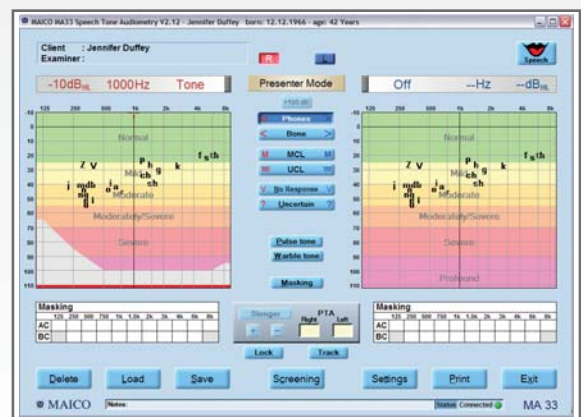


## MA33

The ideal portable audiometer for the hearing health care professional on the go. Ideal for bedside testing, in home evaluations, or office settings.



MA33 Speech Screen



MA33 Tone Screen

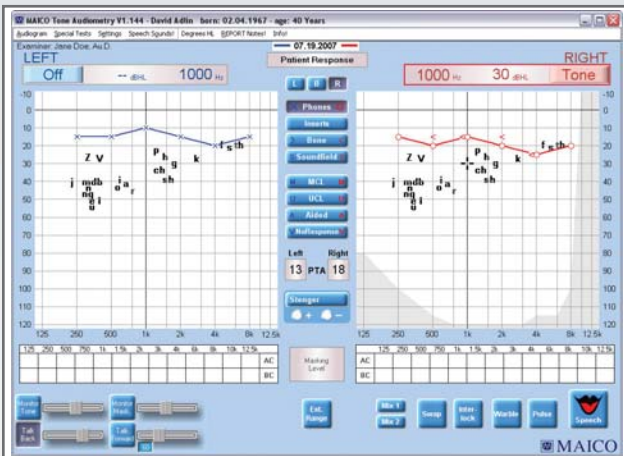
- Testing up to 8 kHz
- Ready to use via USB connection to PC
- Small, light, flexible and highly mobile
- Air, Bone & Speech
- Special tests
- Patient database for storing and tracking
- Noah compatible

# MA55

As a diagnostic audiometer, the MA55 is a tool that speeds up your testing procedures. The software also makes your audiological testing simple and organized – like a technical assistant that keeps everything you need at your fingertips!



MA55 Speech Screen



MA55 Tone Screen

- Testing up to 12.5 kHz
- Full range of diagnostic audiology
- No hidden functions or menus
- One screen shows all speech functions
- One screen shows all tone functions
- Built-in counseling tools
- NOAH 3.0 compatible for effective data storage
- Two signals into the same transducer (mixing)



The MA55 can be operated via desktop or laptop computer.



# Common Product Features

## Unique Capabilities

- Air conduction, bone conduction, and speech testing
- Binaural speech
- Built in word lists in English & Spanish
- Adult and Child word lists
- QuickSIN™ speech in noise testing
- Automatic PTA calculation
- Counseling options such as speech banana or degree of hearing loss
- Single and dual-view audiograms
- Settings and protocols can be customized
- NOAH 3.0 compatibility (store data for hearing aid fitting)
- User designated testing/masking dial

## Maico Database

- Store patient records conveniently in one place
- Easily stores both the audiogram and the tympanogram
- Can be used as an alternative to NOAH

## QuickSIN™

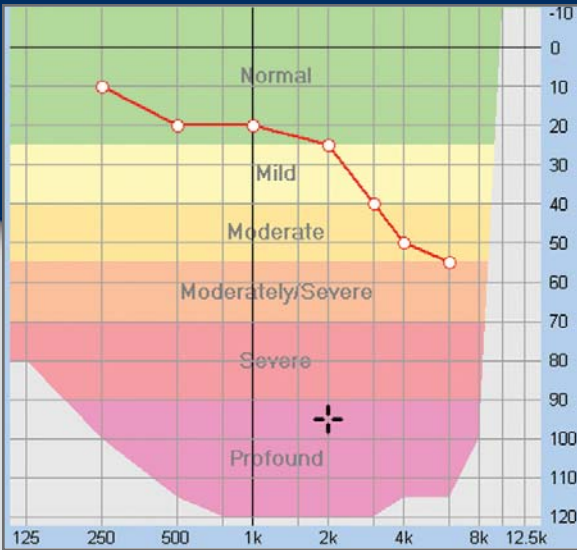
QuickSIN is a speech-in-noise test that was developed to provide a quick way for clinicians to quantify a patient's ability to hear in noise. It is an especially beneficial tool when used in conjunction with hearing aid fitting, since the ability to hear in noise can not be predicted by the audiogram.

- Provides 1 minute estimate of SNR loss
- Quantifies a patient's ability to hear in noise
- Assists in choosing appropriate amplification
- Assists in choosing assistive devices, such as FM systems
- Useful in counseling patients about realistic expectations
- Easy on-screen scoring & automatic calculation of results

## The Benefits of QuickSIN™

- Easily score words or whole sentences with the click of a mouse
- Displays SNR for each sentence
- Choose from 12 QuickSin lists
- Add several lists together for monitoring change or comparing performance using different technology

*The Average is Automatically calculated by the software*



MA55 screen shot

## Degrees of Hearing Loss

- Useful when counseling patients so they understand the audiogram
- Available on screen and in printed report
- Child and Adult displays

## Several Options for Operation

- Mouse controlled: Use the mouse to run and control all the tests. Point-and-click on test buttons and other options as fast and as easily as working in a word processing program.
- Keyboard controlled: A computer keyboard is a fast way to conduct testing. Move between test controls, start and stop, present the stimulus, or select other options simply by pressing the shortcut keys.
- Audiokeyboard (optional for the MA55)\*: The Maico Audiokeyboard combines PC keyboard letter keys with traditional audiometric controls such as attenuator dials and sensor stimulation switches. This means there is no switching between a PC keyboard and an audiometric keyboard – the functions of both are in one unit so that there is a seamless transition from typing patient data to conducting a test.

\*Not applicable to the MA33



MA33 in application

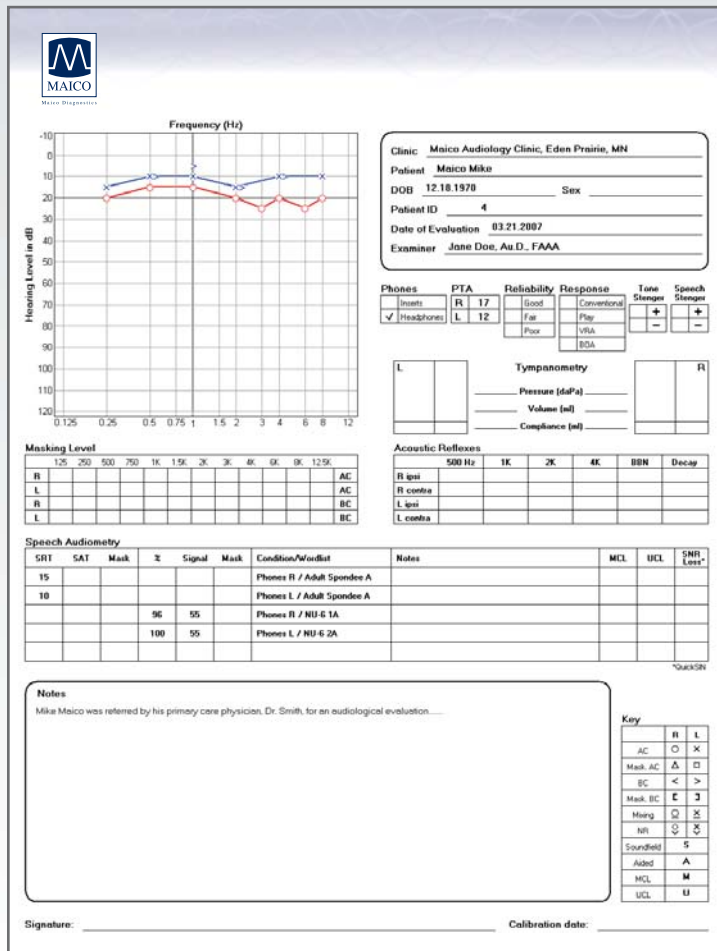


# All-In-One Report

The Audiologist's report has several key features:

- Client and test data are automatically inserted
- All the test data is on one page
- Choose to show two separate audiograms or one combined
- It includes a section for tymp data
- A large "notes" section
- Ample space at the top of form for your letterhead

- Color audiogram results
- Print to paper or a PDF file for electronic records
- QuickSIN™ speech-in noise testing and calculations
- Full page color report



Example of a color report printed on letterhead.



## Differences in Capabilities Between the MA33 and the MA55

- MA33 cannot send (2) signals to the same transducer (no mixing)
- No free field with MA33
- MA33 tests up to 8 kHz compared to 12.5 kHz on the MA55
- MA33 max output in speech 90 dB with inserts
- MA33 max 105 dBHL output in tone, 750Hz – 4KHz with inserts
- MA33 does not require additional power to operate, USB direct from computer to audiometer
- MA33 has limited speech inputs; only live-voice mic and wave files

Please note that a computer is not included. In order to use the MA55 or MA33 at its optimal capacity, the dedicated desktop or laptop computer should have the following minimum requirements.

Specifications subject to change without notice. QuickSIN™ is a trademark of Etymotic Research.

# Parts & Accessories

The MA33 and MA55 include standard testing accessories as well as several options for a perfect fit in any office environment.



## MA33 Standard Accessories:

- MA33 Software program\*
- Maico Database\*
- 3A insert earphones
- B71 bone receiver headset
- Patient response switch
- Talk-forward mic
- USB cord\*

## MA33 Optional Accessories:

- 6687 Pocket Talker
- Carrying case\*

## MA33 Sound Room Package 6691:

- Pocket Talker
- Patch Cords

\* Item not displayed

## MA55 Standard Accessories:

- MA55 software program\*
- Maico Database\*
- 3A insert earphones
- Sennheiser HDA200 headset\*
- B71 bone receiver headset
- Patient response switch
- Mic/monitor headset
- Talk-back mic and mount kit
- Patch cords\*
- USB cable\*
- Power cord\*
- RCA cable for CD input\*

## MA55 Optional Accessories:

- Audio Keyboard
- TDH39 headset
- Desktop mic
- Desktop monitor speakers
- Computer\*



## Minimum Computer Requirements:

- Pentium III processor or comparable at 1.4 GHz (Pentium 4 processor or comparable at 2.4 MHz recommended)
- System RAM: 512 MB (1024 MB recommended)
- Screen resolution: 1024 x 768

- Hard disk space: 2 GB free space
- Windows operating system: XP Pro SP2
- CDROM (CD-RW drive recommended)
- USB port (USB and serial port recommended)



# **INNOVATION, CONTINUITY, RELIABILITY,**



## **MAICO Product Line:**

- Screening Audiometers
- Diagnostic Audiometers
- Middle Ear Analyzers
- OAE Test Systems
- PC Compatible Products

This brochure contains only a small segment of the comprehensive product portfolio of MAICO. To find out more about other solutions, please contact us at:

**Telephone: 888-941-4201**



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