

Science **made** smarter

# AC40

Clinical  
audiometry  
made flexible



The true  
clinical hybrid  
audiometer.  
- Stand alone & PC-  
based audiometry  
in one box

Made  
Hybrid



**Interacoustics**

Audiometry  
~~~~~

Tympanometry

ABR

OAE

Hearing Aid Fitting

Balance

# A true hybrid audiometer

**The AC4o full two-channel audiometer includes all the advanced features and functions needed by a modern clinic.**

## **A true hybrid audiometer**

The AC4o allows for complete independent use as well as for full PC-based audiometry with complete Noah and EMR/HIS integration, it is a true hybrid audiometer.

- The AC4o provides the best of both worlds for those who like the familiar, classic feel of an audiometer keyboard while simultaneously engaging the power of the PC.
- Operate the AC4o as a stand-alone audiometer (no computer)
- Operate the AC4o via computer, and
- Operate the computer via the AC4o

As a True Hybrid AC4o offers full control and the flexibility to work as you prefer; even if your clinic has multiple clinicians with individual preferences and needs.



## **The hybrid interface is the way of the future**

**David A. Geddes, Aud**  
Audiology Supervisor, Health Partners,  
MN, USA

## **A full counseling solution**

The AC4o gives you counseling tools to help engage and connect with your

client. Whether you use your main test window or attach an external monitor directly to the AC4o, you can utilise a variety of counseling tools available in the Diagnostic Suite PC software. Customizable counseling overlays include phoneme examples, sound examples, speech banana and severity indications.

## **Design and efficiency**

The ergonomic AC4o includes an articulating, high-resolution 8.4 inch color display that presents crystal clear images for easy to read audiograms. The intuitive keypad design enables quick orientation without losing efficiency or speed. Several display choices are available to customize the readout to your personal preference

## **A wide range of applications**

The AC4o offers a comprehensive test battery for a wide range of advanced diagnostic and research applications. AC4o also includes features making it ideal for pediatric applications and hearing aid fitting. It comes with a powerful built in amplifier for sound field applications.

- Multi-Frequency for tinnitus measurements and ototoxicity monitoring
- Pediatric Noise for frequency specific noise testing
- Automatic Testing using Hughson-Westlake and Békésy

- Masking Help and Auto Masking (PC suite only)
- Masking Level Difference (MLD) - offers a mixture of phase controlled tone and noise stimuli for testing retrocochlear function and CAPD
- QuickSIN™ for automated speech in noise testing
- TEN test for diagnosing dead regions of the cochlear
- Hearing Loss Simulator and Master Hearing Aid for hearing aid verification
- SISI for differentiating between cochlear and retrocochlear disorders
- ABLB has its own dedicated screen where any recruitment can be shown in a clear, graphical manner
- Weber for distinguishing between a conductive and sensorineural hearing loss
- High Frequency up to 20 kHz
- And more...





## Counseling overlays in the Diagnostic Suite 2.0:

- Phoneme examples
- Sound examples
- Speech banana
- Severity indications

True Hybrid

Internal storage for 1,000 patients /50,000 test sessions



# AC40 test screens

As a standalone audiometer AC40 provides all the necessary air, bone and masking features required for advanced diagnostic and clinical use. The built-in 8.4" high resolution color display offers dedicated test screens as well as many display and test options.

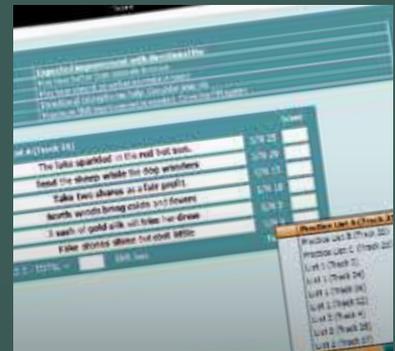
### Tone audiometry

- Automatic CPT and PTA calculation
- User defined symbol scheme
- Speech banana
- Display masking information
- Easy access to main functions

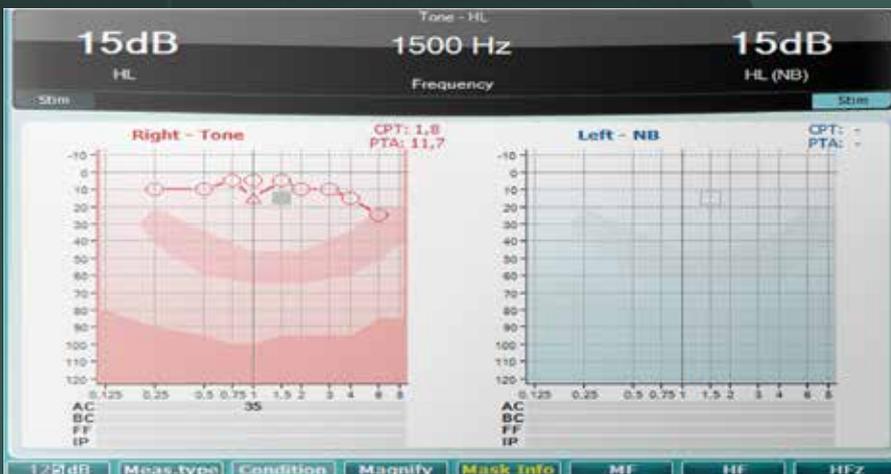
### Speech audiometry test features

- Live Voice, CD/MP3 or Wavefile presentations
- SRT, Word Recognition, MCL, UCL
- Recorded Word Recognition Scoring
- Binaural speech for CAPD applications
- Speech Stenger
- Built-in media player for playing prerecorded speech material
- Built-in Wavefiles
- QuickSIN™

Define multiple user test protocols on the fly



Dedicated QuickSIN™ test screen



Tone screen with masking info table - single audiogram mode also available



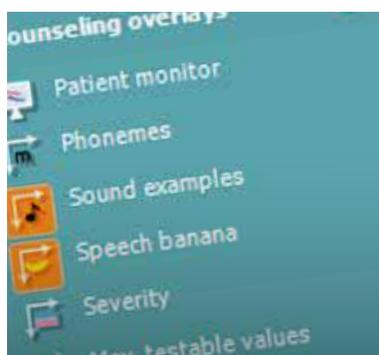
Built-in wavefiles

# Diagnostic Suite test screens

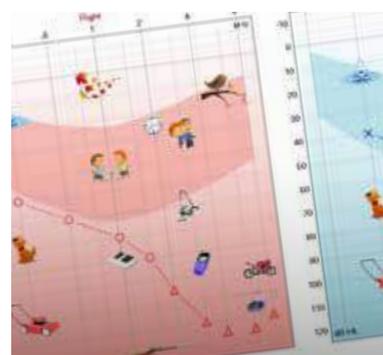
Connecting the AC40 to a PC via the Diagnostic Suite 2.0 software, enables the audiometer to be used as a true hybrid audiometer.

## Enhanced usability

- User defined test protocols, reports, and print layouts
- Audiogram comment section
- Customizable user interface
- Easy access to all transducers/signals
- Quick keys for all functions available
- Large patient monitor window to display counseling
- Full EMR interface with XML and PDF export options
- Phoneme scoring
- Audiogram comparison



Counseling features

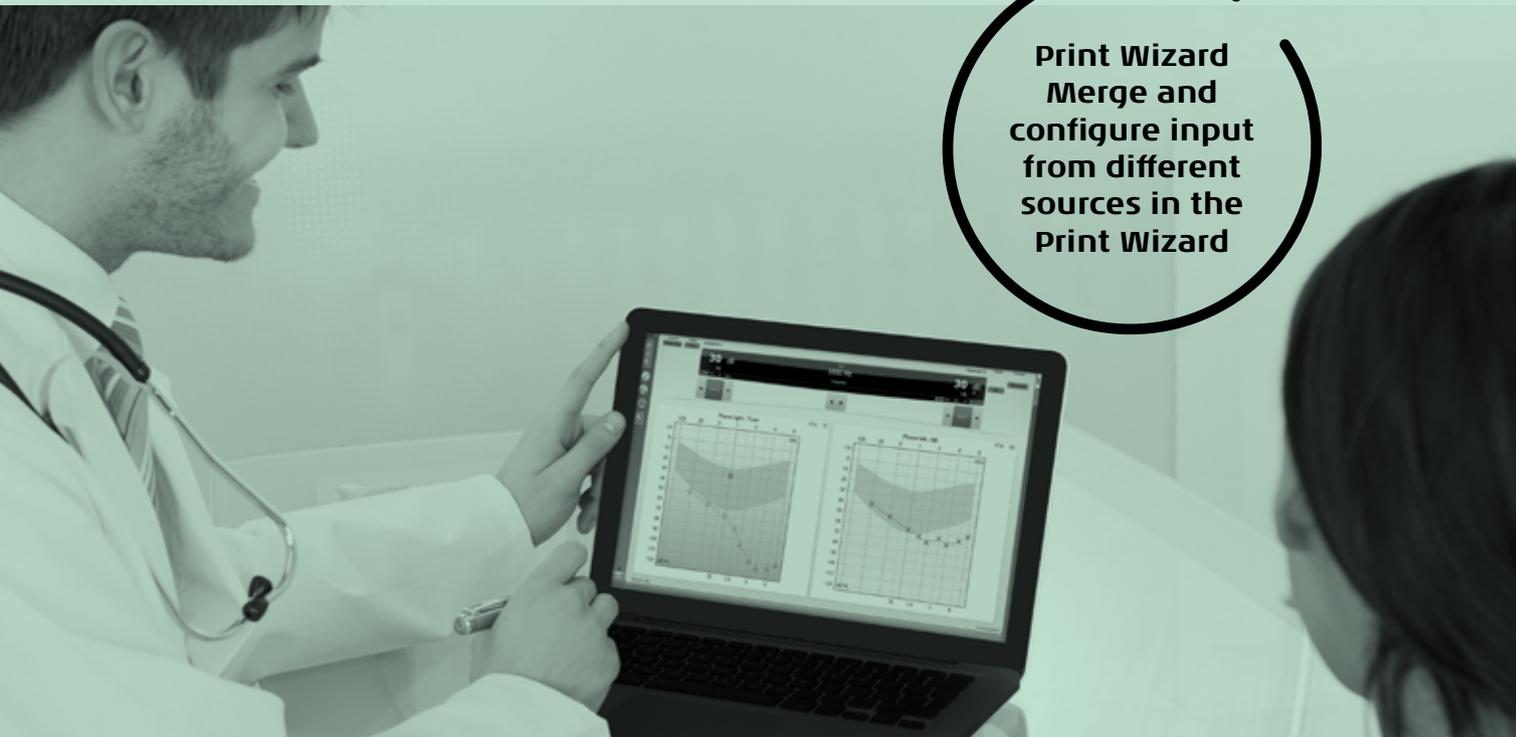


Patient counseling window  
- here with sound examples



Tone screen - with speech banana and phonemes

Speech screen - with wave files and tone audiogram view



**Print Wizard  
Merge and  
configure input  
from different  
sources in the  
Print Wizard**

# Design your own reports

**Interacoustics software suites include a common embedded print wizard. This is a flexible tool that supports reporting requirements for streamlining workflow.**

**Combined printing and reporting**  
The Print Wizard combines audiometric, impedance and fitting data for full patient reporting.

Unlimited customized templates permit useful alternative templates for different test applications.

- Retrieve patient demographics from OtoAccess® and NOAH
- Merge audiometric and impedance test data on a single page
- Text field for session observations and conclusions
- Insert bitmaps such as clinic logo
- Individual session dates
- Highly configurable symbols for quick reference



Merge and configure input from different sources in the Print Wizard



Printout via Diagnostic Suite software and the Print Wizard.



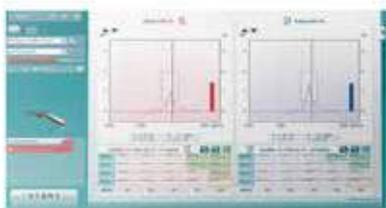
# Popular combinations

## Easy integration

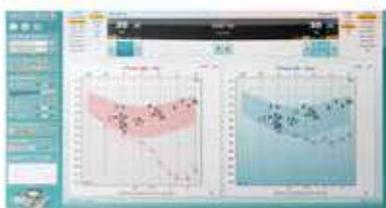
Through the intuitive and easy to use software suites the Affinity<sup>2.0</sup> can easily be combined and integrated with other Interacoustics instruments.

The Interacoustics Suites integrate various measurement modules in a common yet intuitive and user friendly way to enable viewing, storing and printing of shared data.

**Titan Suite**  
Tympanometry, OAE & Automated ABR



**Diagnostic Suite**  
Supports all Interacoustics stand alone audiometers and tympanometers



**EMR**  
(Electronic medical records)

**Combined Reporting**  
Print Wizard

**VIOT™ Video Otoscope Suite**



**Affinity<sup>2.0</sup> / Equinox<sup>2.0</sup> / Callisto™ Suite**  
Audiometry, REM, HIT, and Visible Speech Mapping



  
**OtoAccess®**

Interacoustics database, NOAH or XML



# Science made smarter

## Interacoustics is more than state-of-the-art solutions

Our mission is clear. We want to lead the way in audiology and balance by translating complexity into clarity:

- Challenges made into clear solutions
- Knowledge made practical
- Invisible medical conditions made tangible and treatable

Our advanced technology and sophisticated solutions ease the lives of healthcare professionals.

We will continue to set the standard for an entire industry. Not for the sake of science. But for the sake of enabling professionals to provide excellent treatment for their millions of patients across the globe.

[Interacoustics.com](http://Interacoustics.com)

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Go online to  
explore our  
full product  
range

## Related products



**Titan**  
Middle ear analyzer



**Viot™**  
Video Otoscope



**AT235**  
Middle ear analyzer

## Product specifications

All technical and hardware specifications concerning all products can be downloaded from our website.



**Interacoustics**