

AC40 The true clinical hybrid



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



A true hybrid audiometer



The AC40 full two channel audiometer includes all the advanced features and functions needed by a modern clinic.

A true hybrid audiometer

The AC40 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 AC40 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 AC40 as a stand alone audiometer (no computer)
- Operate the AC40 via computer, and
- Operate the computer via the AC40

As a True Hybrid AC40 offers full control and the flexibility to work as you prefer; even if your clinic has multiple clinicians with individual preferences and needs.

Counseling overlays in the Diagnostic Suite

2.0:

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



A full counseling solution

The AC40 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 AC40, you can utilise a variety of counseling tools available in the Diagnostic Suite 2.0 PC software program. Customizable counseling overlays include phoneme examples, sound examples, speech banana and severity indications.

Design and efficiency

The ergonomic AC40 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 acclimatisation without losing efficiency or speed. Several display choices are available to customize the readout to your personal preference.



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

"The hybrid interface is
the way of the future"

A wide range of applications

The AC40 offers a comprehensive test battery for a wide range of advanced diagnostic and research applications. AC40 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...

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



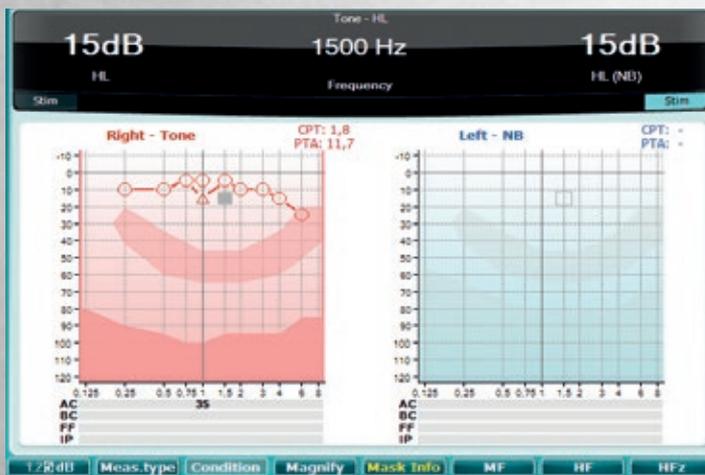
AC40 test screens

Define multiple user test protocols on the fly

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

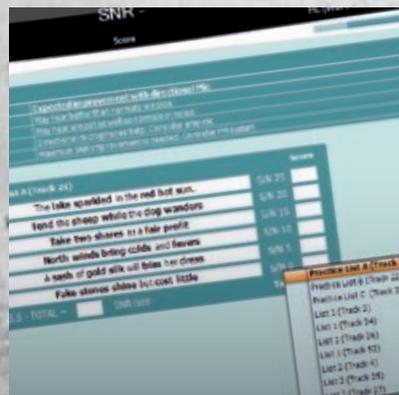
- Automatic CPT and PTA calculation
- User defined symbol scheme
- Speech banana
- Display masking information
- Easy access to main functions
- Built-in wavefiles
- Built-in media player for playing prerecorded speech material



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

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 Wavefiles
- QuicksIN™



Dedicated QuicksIN™ test screen



Built-in wavefiles

Diagnostic Suite test screens

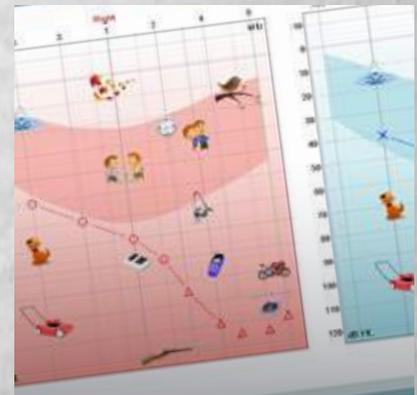
Connecting the AC40 to a PC via the Diagnostic Suite 2.0 software, enables the audiometer to be used as a true hybrid audiometer.

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



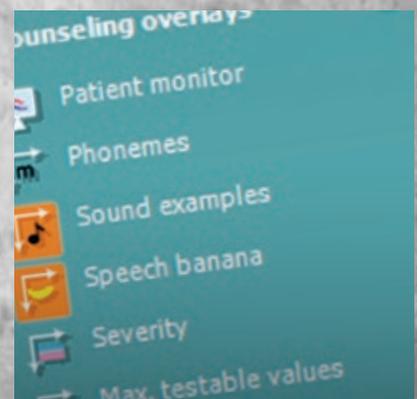
Speech screen - with wave files and tone audiogram view



Patient counseling window - here with sound examples



Tone screen - with speech banana and phonemes



Counseling features

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

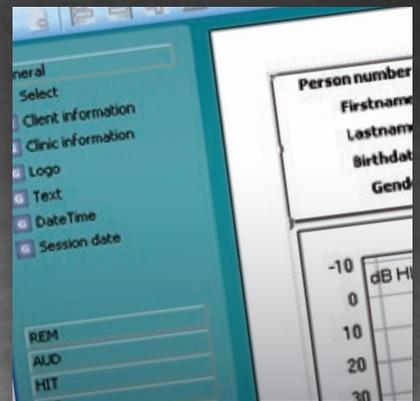
The Print Wizard combines audiometric, impedance and fitting data for full patient reporting.

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

Print Wizard

Merge and configure input from different sources in the Print Wizard



Merge and configure input from different sources in the Print Wizard



Printout via Diagnostic Suite software and the Print Wizard.



Popular combinations



EMR
(Electronic
medical records)

**Combined
Reporting**
Print Wizard

Easy integration

Through the intuitive and easy to use software suites the AC40 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



VIOT™ Video Otoscope Suite



Diagnostic Suite
Supports all Interacoustics stand
alone audiometers and tympanometers



Affinity².º / Equinox².º / Callisto™ Suite
Audiometry, REM, HIT, and Visible Speech
Mapping



Interacoustics

Interacoustics is a world leading provider of diagnostic solutions in the field of hearing and balance assessment. Since 1967 we have designed and manufactured our innovative diagnostic solutions for the world of audiology with a constant focus on providing our customers with quality, dependable products.

With you at all times

We operate in over 100 countries worldwide through a carefully selected network of distributors and service centres. Purchasing an Interacoustics product guarantees not only a quality product, but also direct access to our highly professional training and support service.

Product specifications

All technical and hardware specifications concerning the AC40 can be downloaded from our website.

Read more at
interacoustics.com

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Interacoustics