

# AA222/AA222h Audio Traveller

Diagnostic Impedance  
& Audiometry in one  
solution



  
**Interacoustics**

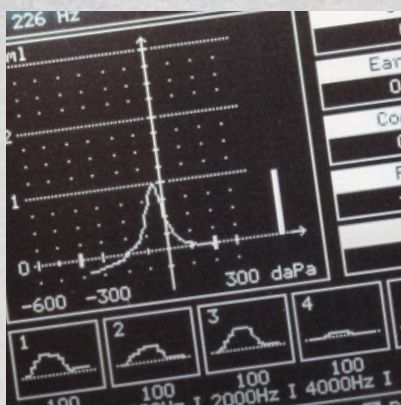
# Combination of middle ear analyzer & audiometer

## Tympanometry & audiometry in one powerful device

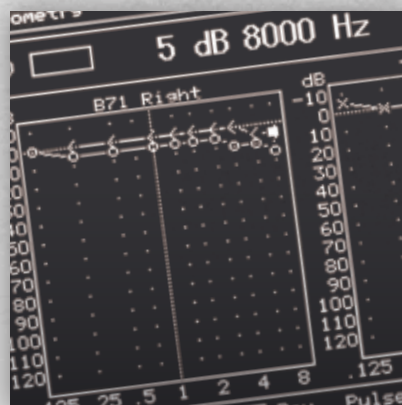
The AA222(h) is the most comprehensive combination of a middle ear analyzer and diagnostic audiometer available.

### Testing flexibility

AA222(h) combines a diagnostic middle ear analyzer and a complete air, bone & speech audiometer for testing flexibility. This makes the AA222(h) ideal for the new clinic, for travelling to alternate locations, and for clinical situations where space is at a premium.



Tympanogram and reflex test results displayed simultaneously



Pure tone audiometry



### User friendly design

Ergonomically designed and user friendly the AA222(h), can be used as a desktop and a portable instrument. Quick and easy to set up, the instrument allows for immediate testing and offers several features for an easy user experience. With the push of one button you can extend the pressure range from +300 daPa to -600 daPa. With the push button on the probe, you can switch between left or right ears and initiate the test. Another button labeled »child« automatically produces a moving choo-choo train as a visual distracter for the child.

### Portability

An optional convenient, lightweight carrying bag can be purchased for those who need portability. The carrying bag is custom designed to hold the AA222(h) and all of its accessories.



Direct printout from the AA222(h) or via customizable templates in the Diagnostic Suite software. Save in NOAH or the Interacoustics database OtoAccess™.

## Printing Options

A fast thermal printer is built into the instrument. If the data is downloaded to the Interacoustics OtoAccess™ database or NOAH, printouts may be generated through the PC.

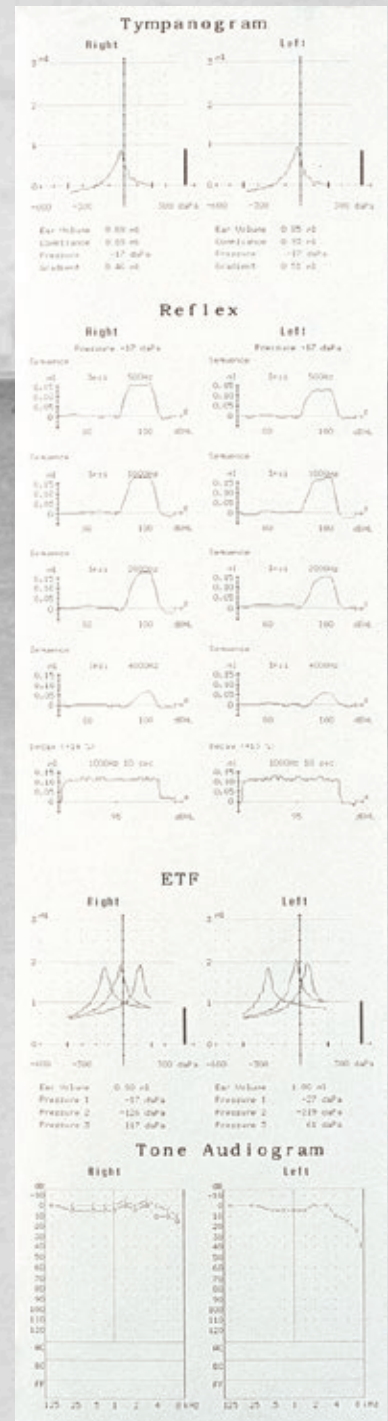
## Combined printing and reporting

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

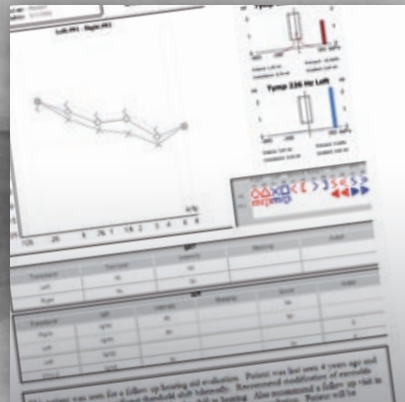
Unlimited customizable templates permit useful alternative templates for different test applications.

- Retrieve patient demographics from OtoAccess™ or 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

**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.



Direct printouts from AA222(h)



# A great variety of possibilities

Visual child distraction option

## AA222h - High frequency and manual tympanometry

The AA222h provides additional high-frequency probe tones for Y-component testing in addition to the traditional 226Hz tone. With the push of a single button, the AA222h will switch to a 678, 800 or 1000 Hz probe tone. A tympanogram that is recorded using a high frequency probe tone (e.g. 1000 Hz) is considered more suitable for screening neonates.

In addition to automatic mode, the pump action on the AA222h can be controlled manually. In this mode, pressure increase/decrease is controlled by keys on the front panel. Pressure speed can be toggled between three speeds.

## Reflex test

Traditional ipsilateral and contralateral reflex tests are standard features. The AA222(h) has a wide variety of test stimuli available that are usually only found on more expensive instruments. Even wide band, high pass and low pass signals are available. The examiner has two programmable test sequences available from the front panel. The manual function allows the examiner to quickly select a single frequency for test verification. Ipsilateral and contralateral reflex decay is easily accessed through the manual function.

## Decay - Contra and Ipsi

Acoustic reflex decay testing is available with ipsilateral as well as with contralateral stimulation.

For stimulation of the contralateral ear the AA222(h) comes with a button insert receiver (CIR33) or a single DD45C headset is available as an option.

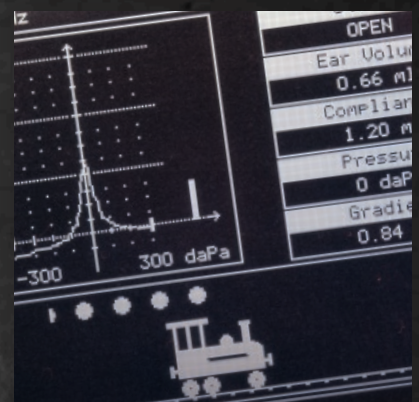
## Eustachian tube function

The AA222(h) performs a single Eustachian Tube Function test suitable for use when the eardrum is intact. Instructions on the display guide the test. Three tympanograms are produced from which the condition of the Eustachian tube can be inferred.

The AA222h has a further ETF test suitable in case of a perforated eardrum.

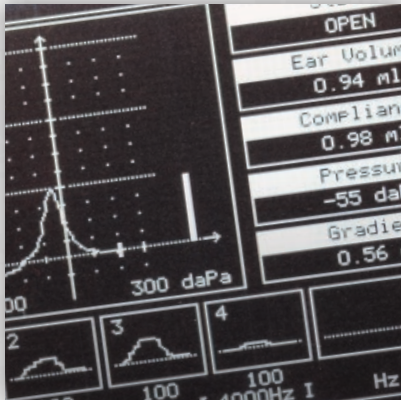
## Visual child distraction

The AA222(h) has a selection for a moving "choo choo train" on the screen to help keep the child distracted while running tympanometry tests.

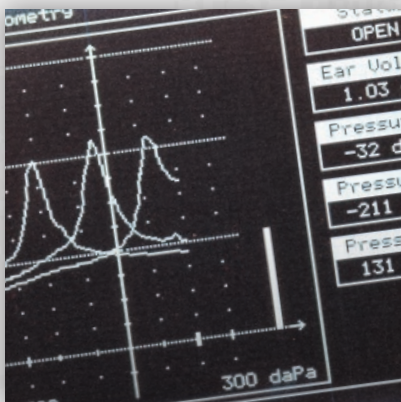


A moving train may help to keep children quiet during testing

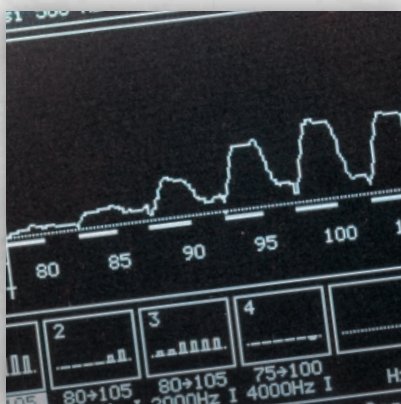




Tympanogram and reflex test results displayed simultaneously.



Automated Eustachian Tube Function test is available.



A group of increasing stimuli for reflex testing, clear displays reflex growth with increasing intensity.



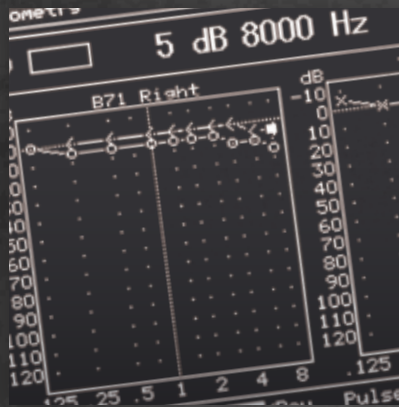
### Extended version

AA222h is the extended version that offers high frequency probe tones (678, 800 and 1000Hz), ETF tests for intact & perforated eardrums and manual control of the pump action.



# Audiometry Pump system Combi probe

Testing  
Flexibility  
Fast & reliable  
results



Pure tone audiometry

## Audiometry

The AA222(h) has testing capabilities for air and bone conduction as well as speech. Dual inputs for a tape or CD player allow you to conduct binaural recorded speech tests and other competing message tests for central auditory processing or hearing aid evaluations. Other tests include pure tone and Stenger speech, ABLB, Auto Threshold (Hughson-Westlake method) and SISI.

Outputs are available to connect external speakers and with an appropriate amplifier AA222(h) will produce 90dB or more of speech in a typical sound room environment.

Separate software calibration for all transducers allows the exchange of insert phones or traditional audiometric phones with the push of a button.

## Intelligent pump system

Interacoustics utilizes two beneficial features to acquire tympanograms. The first is an 'endless airflow' technique. This technique improves the instrument's ability to obtain a tympanogram from difficult to test patients or from patients when a leak may be present. This prevents the system from continually resetting.

The second feature is an adaptive speed control. This feature combines a very fast test speed with high resolution of the tympanogram peak which might otherwise be obtained only with a slower pump speed.

## Combi probe system

The AA222(h) is supplied with a combination probe system that is easily interchanged for screening and clinical testing purposes. The screening probe tip is ideal for quick tymps and a screening reflex, while the diagnostic probe provides more stability for more lengthy exams that include tymps, reflexes, reflex decay and ETF. The probe has a button for changing ears remotely from the AA222(h) and for starting and pausing the test.







## 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.

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## 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.

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## Product specifications

All technical and hardware specifications concerning the AA222(h) can be downloaded from our website.

Read more at  
[interacoustics-us.com](http://interacoustics-us.com)

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### Interacoustics USA

10393 West 70th Street  
Eden Prairie, MN 55344

T +1 800 947 6334

F +1 952 903 4200

[info@interacoustics-us.com](mailto:info@interacoustics-us.com)  
[interacoustics-us.com](http://interacoustics-us.com)

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