



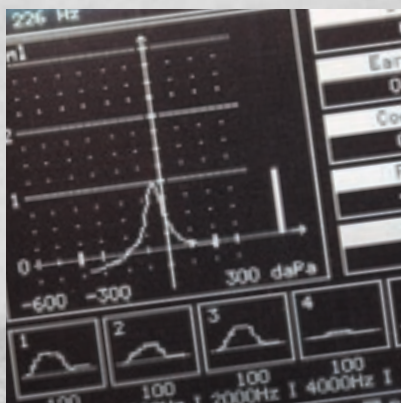
# AA222/AA222h Audio Traveller

Diagnostic Impedance  
& Audiometry in one  
solution

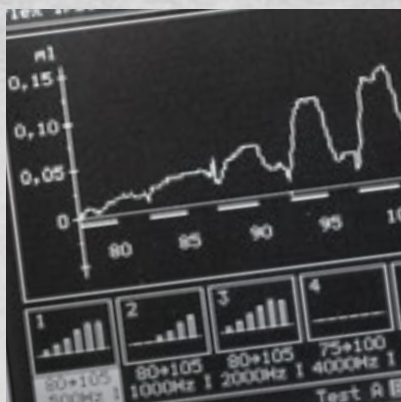


  
**Interacoustics**

# Combination of middle ear analyzer & audiometer



Tympanogram and reflex test results displayed simultaneously



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

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**The AA222 is the most comprehensive combination of middle ear analyzer and diagnostic audiometer available.**

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## Testing flexibility

AA222 combines all of the diagnostic middle ear analyzer tests found on the AT235 and most of the features available on our popular AD629 diagnostic audiometer. This makes the AA222 ideal for the new clinic, for travelling to alternate locations, and for clinical situations where space is at a premium.

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## User friendly design

Ergonomically designed and user friendly the AA222(h), can be used as a desktop and a portable instrument. With the built-in power amplifier and test cavities it is easy and fast to set up and get started testing.

The AA222 has several other features that makes it easy to use. 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 for labeling the tests, and initiate the test. Another button labeled »child« automatically produces a moving choo-choo train as a visual distracter for the child.



## Intelligent pump system

Interacoustics utilize two beneficial techniques to acquire tympanograms. The first is an 'endless airflow' technique which improves the instrument's ability to obtain a tympanogram on difficult to test patients or when a slight leak is present. This prevents the system from continually resetting to continue the test.

The second feature is an intelligently controlled pump system with 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.

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## 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 and all of its accessories.

## Tympanometry & audiometry in one powerful device

### 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.

Intelligent  
pump system  
Fast & reliable  
testing





# 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 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.

The AA222 comes with a standard single DD45C headset and a button insert receiver (CIR33) for stimulating the contralateral ear.

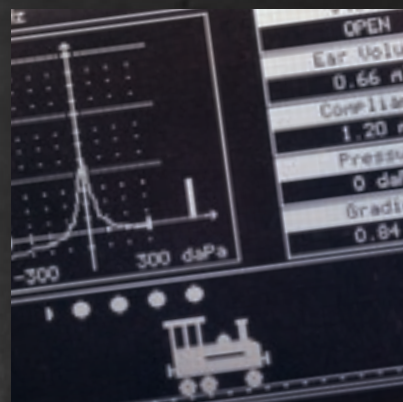
### Eustachian tube function

The AA222 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.

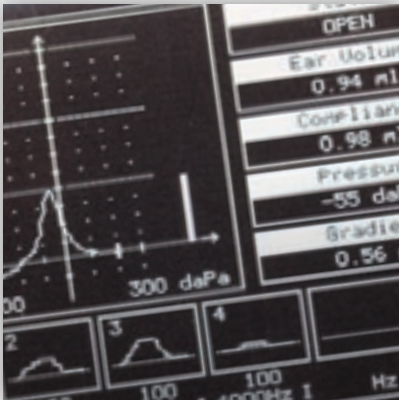
The AA222h has a further ETF test suitable in case of a perforated eardrum.

### Visual child distraction

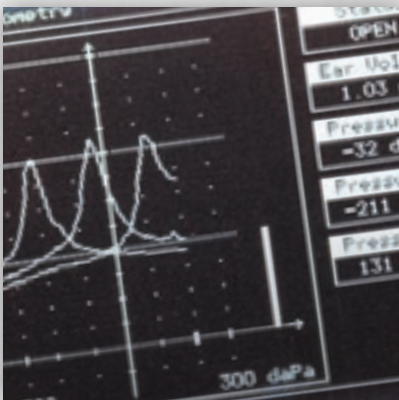
The AA222 has a selection for a moving "choo choo train" on the screen to help keep the child distracted while running tympanometry tests.



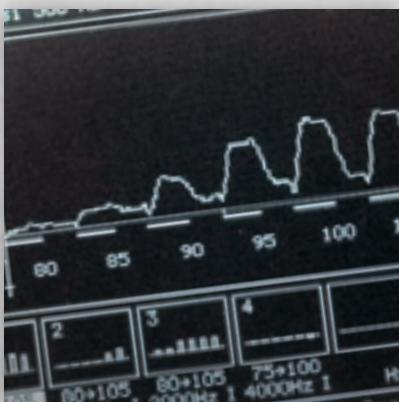
A moving train may help to keep children quiet during testing



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 PC Integration Printing

## Audiometry

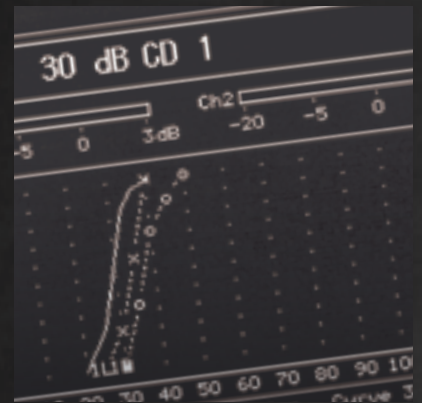
The AA222 has testing capabilities for air and bone conduction as well as speech. Dual inputs for a tape or CD player allow you to conduct binaural recorded speech tests and other competing message tests for central auditory processing or hearing aid evaluations. Other tests include pure tone and Stenger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

Outputs are available to connect external speakers and with an appropriate amplifier AA222 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.

### 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.



Speech testing



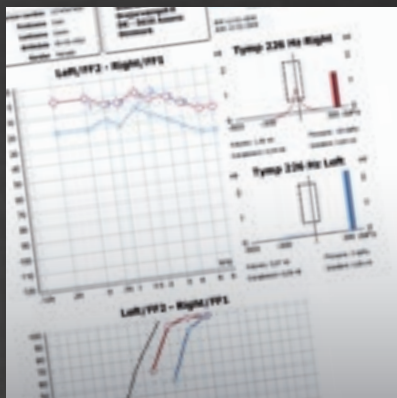
Pure tone audiometry



Direct printout from the AA222 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.



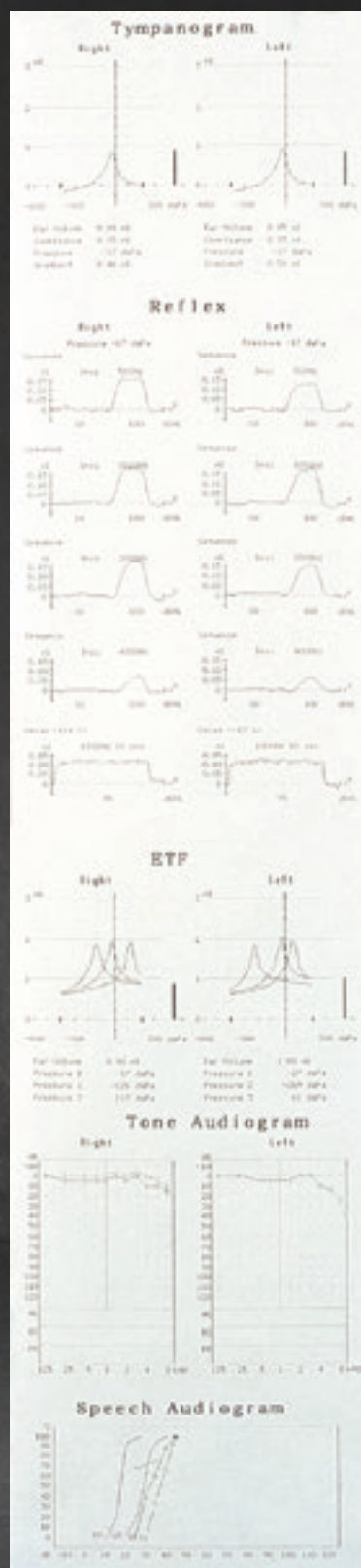
Printout via Diagnostic Suite software and the Print Wizard.

## Combined printing and reporting

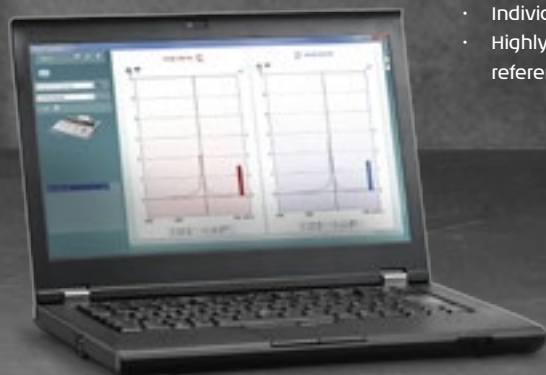
The Print Wizard combines audiometric, impedance and fitting data for full patient reporting.

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

- Retrieve patient demographics from OtoAccess™ 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



Direct printouts from AA222





## Interacoustics a/s

Interacoustics is a world leading diagnostic solutions provider in the field of hearing and balance assessment. We help the professional audiologic world reach new milestones through continuous developments and a constant focus on integration and direct customer value.

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## With you at all times

Whenever you purchase audiological equipment with the Interacoustics brand on it, you are not just guaranteed a quality product but also highly trained support personnel with specialized knowledge. We operate in over 100 countries worldwide through a carefully selected network of distributors and service centers to ensure that you receive total support and service.

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## Product specifications

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

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

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## Interacoustics a/s

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**Interacoustics**