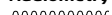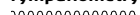Science **made** smarter

# A full product range

**made** for your every need
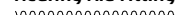
## Interacoustics

Audiometry     Tympanometry     ABR     OAE     Hearing Aid Fitting     Balance

# Future-safe solutions based on knowledge



OtoAccess® Database

**OtoAccess® is our user-friendly database for unlimited storage of audiologic data and client information. It supports all Interacoustics products!**

**For more than 50 years, Interacoustics has helped the professional world reach new milestones in the field of hearing and balance assessment. Today, we continue to offer a complete product range for every need.**

## Leading solutions

As a leading diagnostic solutions provider, we work diligently towards improving the everyday workflow and diagnostic possibility for our customers. Our solutions are tested every day all over the world in real-life environments, where audiologists, ENTs, researchers and clinical personnel combine their knowledge and our equipment to positively change the lives of patients.

We are proud to be an active part in this work, and we develop every new product with this in mind.

## Future-safe

The Interacoustics product range covers the entire field of hearing and balance assessment and is developed with a strong focus on ease of use, future-safe solutions and integration across platforms. These are key factors, because we realize the importance of diagnostic instruments and software that not only solve your task at hand, but also simplify your working procedures. Now – and in the years to come.

## Support

We support your changing work requirements by offering a unique and dedicated setup that is truly devoted to your task at hand. When and where you need it.

# Audiometry

True
Hybrid

## AC40
**Clinical Audiometer**

AC40 is a full two-channel clinical audiometer that includes all the advanced features and functions needed by a modern clinic. It features pre-programmed and automated tests with a large LCD screen to make testing easier. The AC40 comes standard with multi-frequency audiometry, a built-in free field amplifier and more.

- Full clinical test battery with dedicated screen layouts
- Pre-programmed, user-defined or automated test sequences
- PC integration for printing and storage
- Optional high frequency audiometry
- A True Hybrid – operate AC40 directly from the PC, as a standalone audiometer or control the PC from the AC40 audiometer
- Patient counseling tools
- Direct HDMI output for external monitors

## Callisto™
**AC440 Software**

Callisto™ was designed with portability and ease-of-use in mind. Callisto™ provides all the necessary air, bone and masking features required for basic or advanced diagnostic and clinical use.

- Small and light weight (565 g/1.25 lbs)
- USB powered from the PC
- Optional counseling features
- Customized travel bag
- High frequency audiometry (up to 16 kHz)
- Flexible database storage with NOAH or OtoAccess®

## Equinox$^{2.0}$
**Clinical Audiometer**

Equinox$^{2.0}$ is a user-friendly, PC-based clinical audiometer which can be directly integrated with databases and electronic medical record systems. With the Equinox$^{2.0}$ you get a comprehensive test battery, counseling tools, flexible reporting, built-in wavefiles and unparalleled flexibility allowing for easy customization to fit your workflow.

- Quick and easy operation
- Patient counseling overlays
- Flexible reporting
- WAV files (includes DOD lists)

The Equinox$^{2.0}$

# Audiometry

**Tympanometer & Audiometer**

**Portable**

## AA222
**Middle Ear Analyzer & Audiometer**

The AA222 is the most comprehensive combination of a diagnostic and clinical middle ear analyzer and audiometer available. AA222 offers all tests needed in any clinic for a thorough examination. Testing can be done at different sites then synchronized with the Interacoustics database OtoAccess® or Noah when returning to office. The comprehensive audiometric test

battery offers air, bone & speech, built-in WAV files or live voice and clinical tympanometry.

- 10'' adjustable display & HDMI output
- Air, bone & speech audiometry
- Tympanometry, ipsi / contra reflexes and reflex decay
- Direct printing to PC printers
- User defined protocols

## AS608
**Screening Audiometer**

The portable AS608/AS608e is ideal for use in schools, industrial settings, primary medical practices, and other areas where quick hearing screening is required. It is easy to use and offers calibrated pure tone and warble tone stimuli. AS608e (extended version) includes the automated Hughson-Westlake pure tone threshold test and PC-integration via USB using the Diagnostic Suite software for easy transfer of audiometric data to the PC.

- Portable (total weight is less than 1.6 kg/3.5 lbs)
- Simple operation and inexpensive
- AS608e: PC-integration and auto test

**True Hybrid**

## AD629
**Diagnostic Audiometer**

The AD629 is a full-featured traditional diagnostic standalone audiometer that also features full PC-integration, flexible reporting tools and database storage (NOAH, OtoAccess®, XML).
The AD629 presents a professional image whether in a clinic – or on the road.

- Large 5.7'' adjustable high resolution graphical color display
- Internal storage for 500 patients/ 50,000 test sessions
- Direct printouts
- Integrated pre-recorded speech options
- High frequency option (up to 20 kHz)
- A True Hybrid – operate AD629 directly from the PC, as a standalone audiometer or control the PC from the AD629 audiometer

# Tympanometry

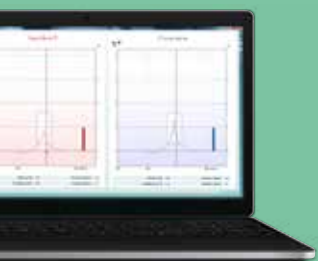**Tympanometer & Audiometer**

**Portable**

## AA222
**Middle Ear Analyzer & Audiometer**

The AA222 is the most comprehensive combination of a diagnostic and clinical middle ear analyzer and diagnostic audiometer available. AA222 offers all tests needed in clinic or satellite for a thorough examination. Testing can be done at different sites and synchronized with the Interacoustics database OtoAccess® or Noah when returning to the office. The comprehensive audiometric test battery offers air, bone & speech, built-in WAV files or live voice and clinical tympanometry.

- 10" adjustable display & HDMI output
- Air, bone & speech audiometry
- Tympanometry, ipsi / contra reflexes and reflex decay
- Direct printing to PC printers
- User defined protocols

## AT235
**Diagnostic Impedance**

The AT235 is an automatic middle ear analyzer ideal for diagnostic and screening evaluations. The AT235 includes standard tympanometry, Eustachain Tube Function test, Ipsilateral and contralateral acoustic reflex and reflex decay and air conduction audiometry.

- 10" adjustable color display
- +400 daPa to -600 daPa
- Includes either a diagnostic or a clinical probe system – both with probe status LED
- Direct printing to PC printers
- User defined protocols
- HDMI output
- Child distraction function

AT235 optional wall mount

## MT10 Handheld
**Tympanometer**

The MT10 is built to quickly and effectively meet screening requirements. For example otitis media, a major cause of temporary or permanent hearing impairment in children, can be easily and quickly detected. The results can be documented with the infrared printer or can be sent to the Diagnostic Suite and OtoAccess® on your PC.

- -400 to +200 daPa
- Memory for 30 patients
- Fast, reliable testing
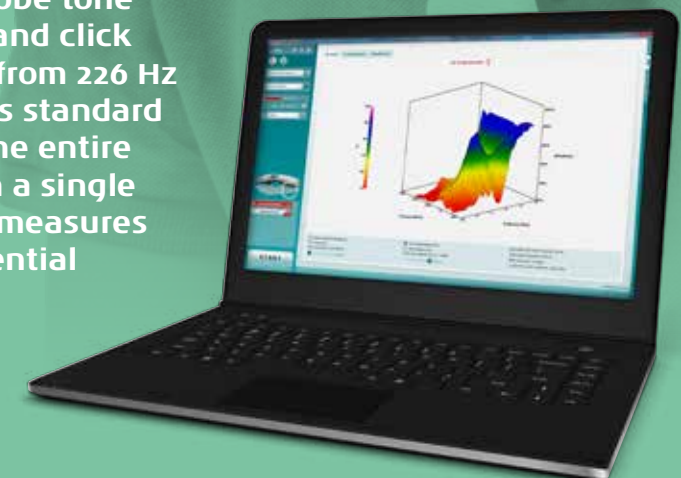- Easy menu structure
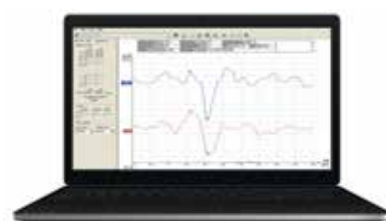- Ipsilateral refexes (optional)

## Titan
**Middle Ear Analyzer**

Titan offers a full clinical level of middle ear analysis with multiple probe tones (226, 678, 800 and 1000 Hz), multiple Eustachian Tube tests (intact, perforated and patulous), ipsi/contra reflex testing, decay and latency tests as well as automatic and manual pump control. It can be operated either as a handheld or PC-controlled instrument with the ability to print to a small thermal printer or to a connected PC printer.

- A fully diagnostic and clinical impedance solution
- Handheld or PC-controlled
- Fast, precise measurements
- Flexible and customizable protocols and reports
- Revolutionary Wideband Tympanometry (optional)
- eSRT (Optional)
- Memory for 250 patients

**Titan is available with Wideband Tympanometry, a new dimension in differential diagnostics.
With WBT, the 226 Hz probe tone is replaced by a broadband click measuring frequencies from 226 Hz to 8000 Hz. WBT delivers standard tympanometry across the entire frequency bandwidth in a single sweep and absorbance measures that enhance the differential diagnostic process.**

# Balance



**Touch activated software**

## Micromedical VisualEyes™ 525
**Vestibular and Oculomotor Analysis**

The VisualEyes™ 525 is the most advanced technology for testing dizziness and balance disorders. It offers convenient computer aided analysis of Spontaneous Nystagmus test, positional and caloric tests. Rapid data transfer technology enables very high quality video and precise measurements with all results stored in the OtoAccess® database. The system also includes functions for printing reports and sharing data. VisualEyes is available with a choice between FireWire- and USB connected cameras. And with a choice between top-mounted cameras and side-mounted cameras

The VisualEyes™ 525 is designed for clinics that carry out detailed balance evaluations and offers computer aided analysis of oculomotor tests.
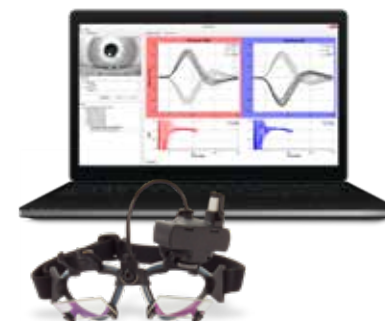
- Modern touch enabled software
- Situational camera for any test and patient interviews
- Customizable user-defined protocols
- Large eyes on PC and second monitor
- Voice timer with audio cues
- PDF reports
- Remote operation
- Automatic fixation light
- Seamless video playback

## Eclipse VEMP
**Vestibular Investigation**

The Eclipse VEMP test measures and analyzes the vestibular evoked myogenic potential generated by a loud stimulus.

- cVEMP and oVEMP
- Patient Monitor for SCM contraction target (EMG monitoring)
- EMG scaling
- Neuro rate study
- Amplitude ratio calculation
- Research module (optional)

## Orion
**Rotary Chair**

Ideal for evaluation of the Vestibulo Ocular Reflex (VOR) function. It applies physiologic stimulation more than 100 times stronger than the non-physiologic caloric stimulation, resulting in markedly fewer false positives compared to caloric testing.

The Rotary Chair is also ideal when examining different stages of the compensatory process.

- Ideal for evaluation of the Vestibulo Ocular Reflex (VOR) function.
- Space-saving design with fully reclining back rest and leg support – ideal for caloric and positional testing
- Gold Standard for bilateral vestibular lesions
- Pediatric friendly

**Micromedical** by Interacoustics

# Balance

### EyeSeeCam
**Video Head Impulse Test (vHIT)**

The EyeSeeCam vHIT provides quick and objective measurements of the vestibular ocular reflex (VOR). The results allow the healthcare professional to efficiently assess the "dizzy" patient and evaluate if the dizziness is related to a vestibular disorder.

- Comprehensive – assess VOR function of all six semicircular canals with confidence
- Easy – a "guide" is provided to help you generate accurate head impulses
- Reliable – extremely lightweight, superior goggle design to reduce slippage
- Flexible – can test the left or right eye
- Accurate – measures instantaneous gain, median gain and velocity regression
- Comprehensive – displays overt and covert saccades, gain and 3D graphics

### Micromedical VisualEyes™ 505
**Video Frenzel**

VisualEyes™ 505 provides ideal conditions for fixation-free observation of eye movements during Spontaneous Nystagmus testing and Positional testing including Dix-Hallpike and Epley Maneuvers.

- Simultaneous display of patient movement and eye movement
- Multiple USB goggle solutions are available, top or side mounted binocular goggles or front mounted monocular goggles

### Aqua Stim
**Caloric Water Irrigator**

The Interacoustics Aqua Stim offers 30°C cold and 44°C warm caloric irrigations. The Aqua Stim can be used as a stand-alone device, or you can control it from the Interacoustics VNG software. An external water tank eliminates the need for a drain in the examination room.

### Air Fx
**Caloric Air Irrigator**

The Air Fx caloric irrigator offers an otoscopic handle with illumination and magnification. An integrated water reservoir helps cool air down to 20°C, and warm irrigations can be performed up to 50°C. The Air Fx can be used as a stand-alone device, or can be controlled from the Interacoustics VNG software.

**Micromedical**
by Interacoustics

# ABR/OAE

**Gold standard Eclipse platform**

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**CE-Chirp®
Stimulus Family**
**Stimulus compensates for cochlear travel time. The result is a response amplitude up to twice the size compared to a standard click.**

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**CE-Chirp®
Stimulus Family**

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**CE-Chirp®
Stimulus Family**

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**NB CE-Chirps®**

## EP25
**Vestibular ABR Package**

Offers traditional ABR used for both neurological & vestibular diagnosis. With a full set of built-in tests, valuable added features to monitor waveform quality, residual noise, perform more effective averaging, EMG patient monitor and waveform scaling the EP Vestibular Package greatly enhances user confidence.
- 15 and 30 msec response windows
- Early latency tests including Neuro Latency, Neuro Rate Study
- cVEMP & oVEMP with EMG Monitor & Scaling
- CM/ECochG testing with Area Ratio calculation
- Click & Tone Burst Stimuli (250, .5, 1, 2, 3, 4, 6, 8, KHz)
- Quality Tools (Fmp/Residual Noise Calculator & Wave Reproducibility)
- Wave Reproducibility
- Bayesian Weighting – for improved waveform stability

## EP25
**Comprehensive AEP**

EP25 is designed for full clinical AEP – including early, middle and late latency responses and special procedures. The Level Specific CE-Chirp® and NB CE-Chirp® stimuli allow for markedly reduced test times for threshold ABRs.
- 15 and 30 msec response window
- Early latency tests (ABR, Neuro latency & Rate Study, eABR)
- Middle, Late latency testing (P300/ MMN)
- ECochG Area Ratio calculation by John Ferraro
- Click & Tone Burst Stimuli (250, .5, 1, 2, 3, 4, 6, 8, KHz)
- Level Specific CE-Chirp Stimuli (Broad Band, .5, 1, 2, 4 KHz)
- B-81 Bone Transducer – less distortion & 20dB higher output
- Quality Tools (Fmp/Residual Noise Calculator & Wave Reproducibility)
- Bayesian Weighting – for improved waveform stability
- VEMP License (optional)
- EP Pro-pack (optional) Includes Speech Wavefiles (Ba, Da, Ga); exporting test sessions for research analysis, excel spreadsheet template, Importing of custom wavefiles.

## Eclipse ASSR
**2nd generation**

Our 2nd generation ASSR provides fast and accurate threshold estimates using multiple frequency ASSR technology (4 frequencies per ear). Ideal for threshold assessment in children and other patients where behavioral audiometry is impractical.

- NB CE-Chirp® stimuli
- The accurate estimated audiogram can be saved directly to NOAH
- Powerful detection engine utilizing phase, amplitude and harmonics

## The Eclipse
**A complete solution**

The Eclipse includes capabilities for measuring all facets of auditory evoked potentials, revolutionary ASSR and otoacoustic emissions. Data are managed through a single database with reports in print or EMR formats. Users build their own system choosing only the modules they need with the ability to add more capabilities as their needs change.

- One platform for all tests
- Modular and future safe
- CE-Chirp® LS Stimulus Family

# ABR/OAE



## Eclipse TEOAE
**clinical**

The TEOAE uses linear or non-linear broadband clicks to evoke otoacoustic emissions. The extensive range of clinical options provide a full clinical evaluation of TEOAEs. Available frequency range is 500-5500 Hz.
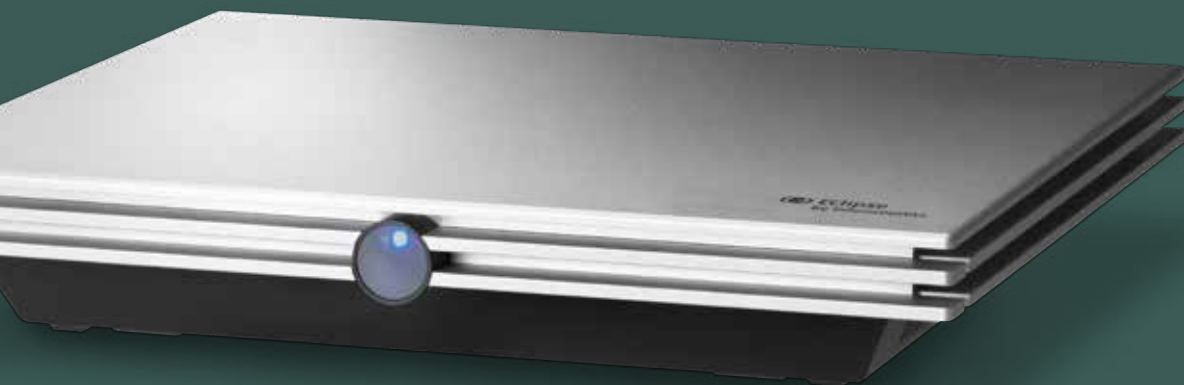
- Automated screening OAE
- Detailed diagnostic OAE
- User-friendly interface

## Eclipse DPOAE
**clinical**

The DPOAE module produces detailed DP Grams with protocols designed by the users for their preferences or requirements. Confidence in the OAE measurements is ensured via DPOAE reliability criteria. Available frequency range is 500-10000 Hz.

- Automated screening OAE
- Detailed diagnostic OAE
- User-friendly interface

# ABR/OAE



**CE-Chirp®
Stimulus Family**

## Titan
**Portable OAE/ABR & Impedance**

The Titan platform is the ultimate
solution for Newborn Hearing
Screening or for diagnostic follow-up.
The modular unit can be configured
to perform automated ABR, DPOAE,
TEOAE, tympanometry and Wideband
Tympanometry making it possible to
test the entire auditory pathway. The
ergonomic Titan is a True Hybrid offering
fully customizable protocols, test
screens and patient reports.

Together with the ground-breaking
CE-Chirp® stimulus, weighted averaging
automatic or manual DPOAE/TEOAE and
WBT testing capabilities, this makes it
the first and only of its kind.

- Intuitive operation
- Handheld or PC-controlled
- Patient upload and session download
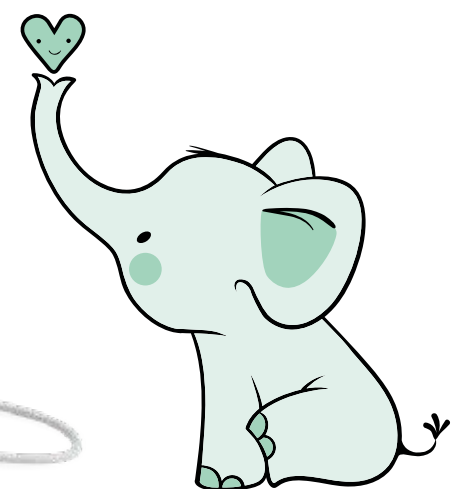- Fully customizable protocols
- Common probe for all tests



## OtoRead™
**Portable OAE**

OtoRead™ combines fast and
comprehensive DPOAE and TEOAE
testing of newborn babies, children
and adults in an easy to use, handheld
device. Testing only takes a few
seconds and is supported by easy result
interpretation and data management.

- Ergonomic design for one-handed
  operation
- Color display for easy navigation and
  result interpretation
- Small, lightweight probe for small ears
- DPOAE testing up to 12 kHz
- Available in 3 versions for screening
  and/or diagnostics
- Pre-defined or customizable test
  protocols
- Wireless printing and data transfer

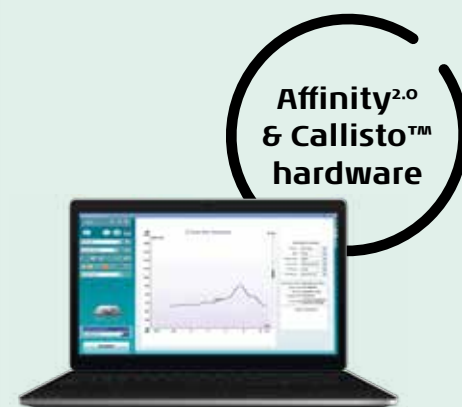# Hearing Aid Fitting



## Affinity²·⁰
**A Complete Solution**

Affinity²·⁰ is a user friendly, all-in-one system for audiometry, real-ear measurement and technical hearing instrument testing. It also offers various counseling tools and a variety of special tests for advanced audiometry. The Affinity²·⁰ is fully compatible with NOAH and the OtoAccess® databases.

- All-in-one solution
- Audiometry (standard audiometry and specialized tests)
- Real-Ear Measurements with Visible Speech Mapping
- Hearing Instrument Testing
- Audiometer keyboard (optional)

## Callisto™
**Redefining Portability**

Callisto™ is an ultra portable PC-based modular system that can include both a diagnostic audiometer and a full featured Real-Ear Measurement module (including Visible Speech Mapping). Software compatibility with the Affinity²·⁰/Equinox²·⁰ Suite means the Callisto™ is perfectly suited as supplemental equipment for clinics that already have an Affinity²·⁰ or Equinox²·⁰.

- Small and light weight (565 g/1.25 lbs)
- USB powered from the PC
- Optional counseling features
- Customized travel bag

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**Affinity²·⁰ & Callisto™ hardware**

## Real-Ear Measurement Module

The Real-Ear Measurement module (REM440) is an essential verification tool that ensures precise hearing aid fittings.

- Customizable workflow
- On-top mode
- Open fit capability
- RECD and coupler verification
- DSLv5 and NAL-NL2 prescription targets
- Visible Speech Mapping / REM combined
- Binaural REM
- Compatible with AutoFit, REMfit and EXPRESSfit
- FM Verification
- Design your own printouts and reports

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**Affinity²·⁰ & Callisto™ hardware**

## Visible Speech Mapping Module

Visible Speech Mapping combines counseling with real-ear measurements and helps to visually explain the features, benefits and performance of hearing aids. The screen layout offers useful counseling tools during the verification step. Included in the Visible Speech Mapping module:

- Unaided vs. aided
- Normal hearing thresholds, for reference
- Sound examples
- Live voice, running speech, music and environmental stimuli
- Screen overlays with sound and speech examples
- Binaural view to demonstrate binaural benefit
- Speech Intelligibility Index

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**Affinity²·⁰ & Callisto™ hardware**

## Audiometry Module

The audiometry module (AC440) offers advanced diagnostic testing in a simple and user-friendly layout. On top of standard air, bone and speech audiometry, the AC440 module offers a wide variety of tests, making it ideal for any active audiology practice. AC440 includes:

- Air, bone and speech audiometry
- Customizable printouts and reports
- Customizable user setup
- QuickSIN™ and TEN test (optional)
- Multiple built-in word lists
- Customizable counseling overlays

---

**Affinity²·⁰ & Callisto™ hardware**

## Hearing Instrument Testing Module

The Hearing Instrument Testing module allows for technical verification of all types of hearing instruments. Create your own tests or choose from the existing standard protocols.

- Built-in ANSI and IEC standards
- Customizable test sequences
- Telecoil testing (Only the Affinity²·⁰)
- Design your own printouts and reports

Perform technical measurements of bone anchored hearing solutions with the optional SKS10 Skull Simulator for the Affinity²·⁰

# Hearing Aid Fitting

## TBS10
**Test Box**

The TBS10 is a passive test box for the Callisto™.

- Small footprint
- Robust performance by a compact solution
- Coupler based hearing aid fitting (RECD inside TBS10 test box)

## TBS25
**Test Chamber**

The TBS25 is a dedicated test chamber with high quality reproduction and signal performance. It offers a compact solution in situations where maximum attenuation is critical and space considerations are relevant. It can be used with the Equinox²·⁰ and Affinity²·⁰ systems for hearing aid testing and with a variety of proprietary and non standard equipment.
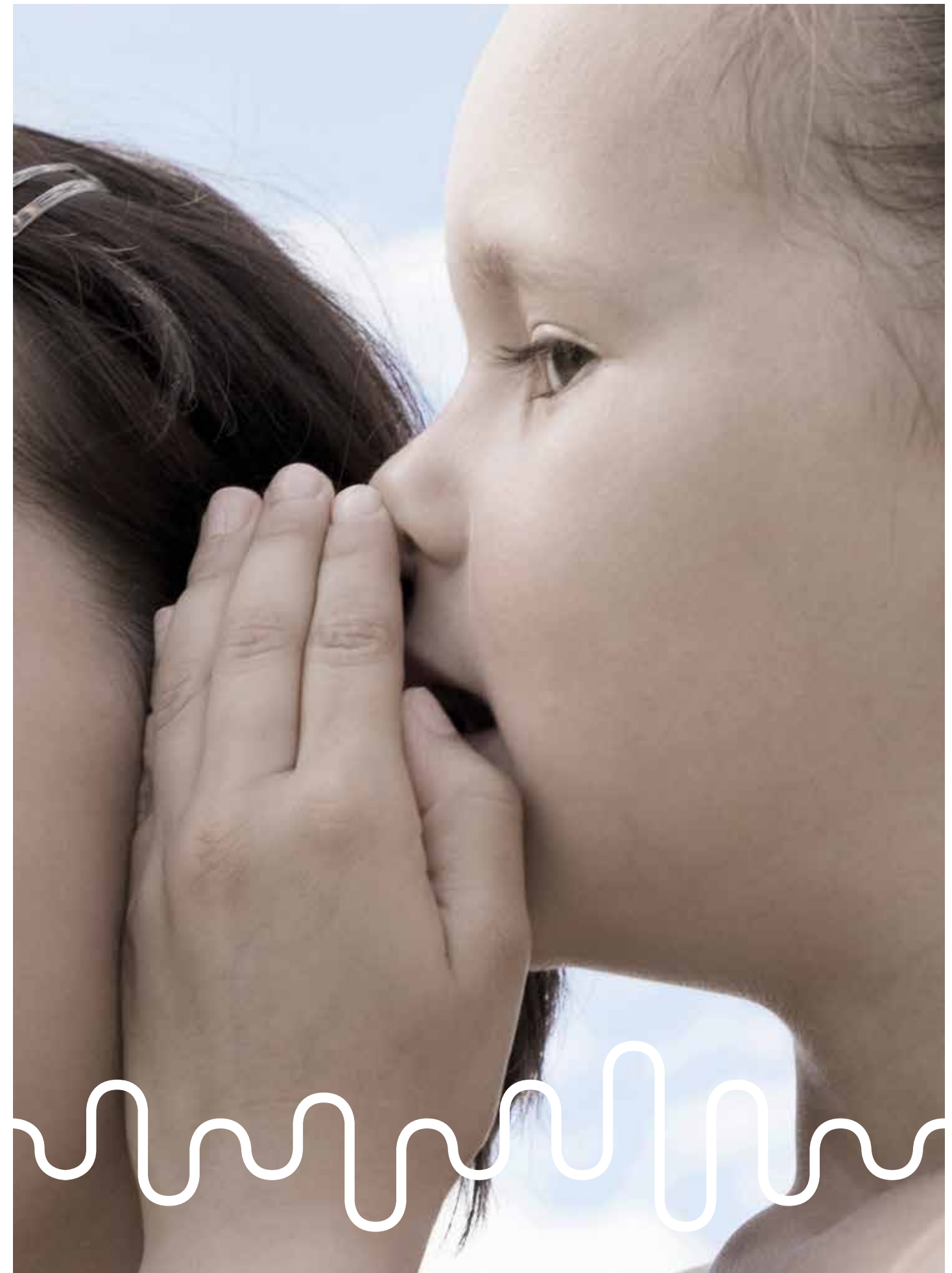
- Very high noise rejection
- Testing of non-linear hearing aids
- Testing of directional microphones

## Viot™
**Video Otoscope**

The Viot™ makes it easy to take a snapshot of your client's ear. Save it easily together with your client's data file for later use or send it to an ENT doctor for follow up treatment.

- Ergonomic design
- Auto white balancing
- One button control
- 90° angle view
- Operate through the Viot™ suite or directly from the Affinity²·⁰/Equinox²·⁰, and Callisto™ Suites.
- Windows®10 compatible
- Full integration to the Noah and OtoAccess® databases

**Noah and OtoAccess® compatible**

# 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.

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Go online to explore our full product range

**Interacoustics**

Audiometry   Tympanometry   ABR   OAE   Hearing Aid Fitting   Balance