



The Eclipse High quality evoked potentials at your command

AEP, ASSR, &
OAE testing on
one dedicated
platform



Design your own diagnostic solution for a perfect result

The Eclipse is a modern and versatile platform. It is designed to fit seamlessly into your everyday workflow and to offer complete reliability and perfect results.

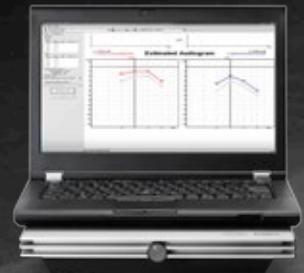
Have it your way

The Goal: To achieve reliable test data to screen or diagnose patients accurately and efficiently.

Whatever your challenge may be, the Eclipse hardware platform does just that, enabling you to focus on the job at hand with the assistance of dedicated software modules for all facets of auditory evoked potentials and otoacoustic emissions.

Are you future-safe?

Feedback from audiology experts assist in our development process, ensuring more effective integration of our software for today and tomorrow. Upgrades are available for years to come.



OtoAccess™ or Noah: Choose your database

Data storage options are available depending on your application. Most of the Eclipse software module results are collected in OtoAccess™ for easy retrieval, review and export to your EMR. The ASSR module is also integrated within NOAH to allow transference of important ABR threshold estimation into hearing aid fitting formulas for infants.

A preview of the benefits

- Improved preamplifier - reduces noise levels up to 25% in ABR/ASSR recordings
- Revolutionary CE-Chirp® stimuli for faster data acquisition
- Quick and easy waveform editing and marking tools
- Multiple customizable normative data options
- Convenient pre-loaded test protocols
- Simple, direct print to PDF (EMR/EHR ready) or export to XML



Silence is the Key

The Eclipse pre-amplifier provides unrivalled stealth with only 4nV of internal noise



Software modules for any challenge

Database

NOAH

**Data Storage
& Sharing**

OtoAccess™

**Data Storage
& Sharing**

Todd B. Sauter, M.A.
Audiology Associates of Worcester
Massachusetts

“The Eclipse has the largest number of clinically-relevant features of any AEP device today. The platform is an excellent blend of parameter flexibility and user-friendliness.”

ABR

EP25

ABR, MLR, LLR, P300,
MMN, ECoChG, eABR

ASSR

Threshold assessment

OAE

DPOAE20

Screening and
clinical DPOAE

TEOAE25

Screening and
clinical TEOAE





CE-Chirp®
Stimulus Family
The Gold standard
for threshold
assessment

CE-Chirp®
The Gold standard
for threshold
assessment

Auditory Evoked Potentials



Traditional Click

CE-Chirp®
Stimulus



**New technologies.
New standards.
New ABR.**

Silence - eliminating the noise

Reducing noise is the single most important factor for improving any evoked potential recording. The newly re-engineered Eclipse preamplifier reduces that noise by an astonishing 25%.

CE-Chirp® Stimulus Family - Double your response amplitudes

The revolutionary CE-Chirp® stimulus family for threshold assessment (developed by Claus Elberling) compensates for frequency specific cochlear travel times and generates waveform responses up to twice the size of traditional click or tone burst stimuli.

The original CE-Chirp® was designed for optimal response amplitude at medium stimulation intensities. By using the level specific CE-Chirp®, clearer waveform morphology at high intensities is also available.

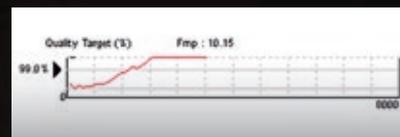
The introduction of the CE-Chirp® LS stimulus family is an overall improvement to the original CE-Chirp® stimulus family.

For an easier visual evaluation of the NB CE-Chirp® responses, each of the NB CE-Chirp® stimuli have been time shifted to provide latencies similar to Click and the CE-Chirp® LS stimulus. The time-shifted NB CE-Chirps® are named NB CE-Chirp® LS, as the placements are level specific. Otherwise, the NB CE-Chirp® LS are identical to the original NB CE-Chirp®.

The CE-Chirp® stimulus family is incorporated in the ABR and ASSR software modules from Interacoustics.

Bayesian Weighting saves you valuable time

Using Bayesian Weighting during your ABR recording ensures that waveforms remain stable even during periods of patient activity. The influence of patient noise is minimized during the recording, resulting in continuously lower noise in the running average, saving valuable test time.



The online display of the Fmp serves as a calculated response confidence. In this example, 99% response confidence was exceeded after only 1500 sweeps.



Rather than testing for a certain number of sweeps, the residual noise should be used as a stop criteria.

Fmp - knowing when to stop

Imagine having an objective waveform confidence indicator to assist you in confirming the presence or absence of a response. The Fmp graph provides objective and mathematical information based on multiple points within the recording to assist with your waveform analysis. Use of the Fmp provides a reduction in test time and confidence in your diagnosis.



EP25 From diagnostic ABR to specialized AEP

Vestibular EP

This is a special version for the vestibular clinic. It holds protocols such as ECoChG and rate study tests dedicated for the vestibular assessment test battery.



EP25 Comprehensive Clinical AEP

For specialized procedures requiring the full spectrum of AEPs: Go for the Advanced Clinical EP25.

A new standard

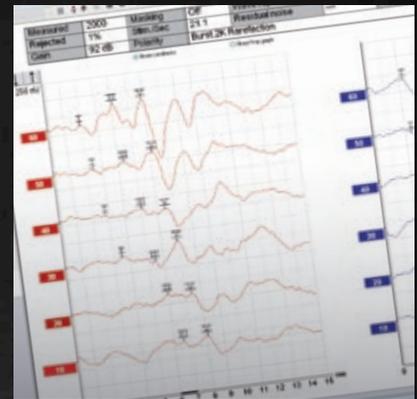
The contemporary interface delivers unrivalled ease-of-use and superior clarity, which will help you achieve clear and reproducible results in a confident and timely manner. Pre-loaded protocols peer-reviewed by key-experts, easy tailoring of manual and automatic test protocols and a multitude of useful tools make the Eclipse the preferred choice for threshold and neurological ABR.

The benefits of specialized features

The EP25 incorporates functionality for early, middle, and late responses, including P300 and MNN tests.

For your daily routine

- Threshold & neurological ABR testing & eABR
- Bayesian weighting
- Residual noise calculator
- Fmp calculator
- SNR 3:1 ratio calculator
- CR, RA, INC waveform markers
- Normative latency data for click, CE-Chirp®, NB CE-Chirp®, CE-Chirp® LS & NB CE-Chirp® LS
- Single/split screen
- CE-Chirp®, NB CE-Chirp®, CE-Chirp® LS & NB CE-Chirp® LS for optimized threshold assessment
- AMLR, ALLR & P300/MMN testing
- CM & ECoChG testing
- ECoChG Area Ratio Calculation by John Ferraro



Displaying Right and Left ear in a split screen format is beneficial when performing threshold work.



Unique ECoChG Area Ratio Calculation implementation.

ASSR Where speed meets accuracy



The Interacoustics ASSR system reduces test times by 50% thanks to Narrow Band CE-Chirp® stimuli and new powerful automated dual response detection methods.

A new (and faster) generation

Interacoustics ASSR represents a true breakthrough and a new generation in ASSR threshold estimation. The ASSR software enables 8 frequencies to be tested simultaneously to threshold in less than 20-30 minutes through the use of Narrow Band CE-Chirp® stimuli and a patented detection engine.

Full control - full speed

You will dramatically shorten test time as you are in full control of selecting the appropriate stimulus levels independently for each frequency based on current and previous results. Also, you are able to change the stimulation rate during testing depending on the state of your patient. All in all: Full control allows full agility and speed.



ASSR audiogram.

Cut test times in half

The Interacoustics ASSR software uses the Narrow Band CE-Chirp® stimuli to generate a maximal response, which makes the detection fast and efficient. The dual detection engine evaluates both the phase and the response magnitude from 12 of the higher harmonics of the fundamental modulation rate. This patented technology can reduce test time by 50% compared to traditional ASSR systems and offers unsurpassed accuracy.

Save data directly to NOAH

The estimated audiogram generated by the Interacoustics ASSR can be saved to NOAH. The estimated audiogram can easily be transferred to Genie or other similar hearing aid fitting software, ensuring a smooth and accurate hearing aid fitting.



ASSR detection.

DPOAE20 TEOAE25 Otoacoustic emissions

The Eclipse hardware platform accommodates DPOAE and TEOAE capabilities.

Shared features and benefits

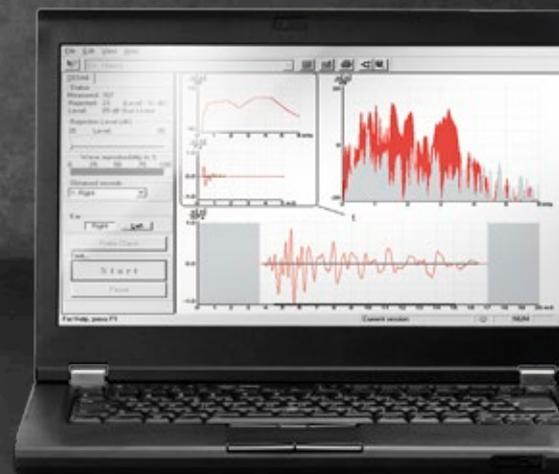
- Lightweight probe with low internal noise
- Easy to place in the ear
- Inexpensive to maintain
- Auto probe check determines correct placement
- Validity checkmarks for OAE detection confirmation
- User-controlled noise sensitivity and rejection for easier collection

DPOAE20 Distortion product emissions

The DPOAE20 module produces detailed DP Grams with protocols designed by the user for their preferences or requirements. Build your own customized normative data sets or use the supplied norms from Interacoustics.

TEOAE25 Transient evoked emissions

The TEOAE25 uses linear or non-linear broad band clicks to evoke otoacoustic emissions. The extensive range of clinical options provide a full clinical evaluation of TEOAEs. The TEOAE25 also has protocol settings for automatic display of a pass/refer result for hearing screening. Factory defaults are also available.





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 software modules and the Eclipse platform can be downloaded from our website.

Read more at
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full product
range



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