



Sera™ Handheld OAE & automated ABR screener

The perfect choice
for any newborn
hearing screening
program.



Sera™ A powerful combination



Early identification of hearing loss is vital to ensure normal development of a child's speech, language and social competencies.

Efficient newborn hearing screening

With a powerful combination of OAE and automated ABR screening, Sera™ offers the opportunity to easily and quickly detect a potential hearing loss in newborns, making it the perfect choice for any hearing screening program.

Fast and efficient OAE and automated ABR screening



It has never been easier to get started

The Sera™ menu and interface are designed for quick and efficient testing. All main assessment functions are accessible from the touch-enabled 'home' screen. You are ready to begin testing after just three button presses and it has never been easier or faster to enter new patient information. Once you have chosen or entered your patient on the device, preparation instructions are displayed for all test types. This ensures consistent and accurate preparation of your patient - every time.

Complete your test in no time

Following the simple on-screen instructions, you can complete your automated ABR screening in less than 30 seconds*. OAE screening can also be completed in just seconds, leaving you more time for patient care. Test results are easy to interpret with a clear pass or refer indication.

Designed for use

Sera™ fits comfortably into your hand and with its bumper case and touch-enabled overlay screen, it is well protected from knocks and bumps during every day use.

Wireless charging and printing

Sera™ comes with a wireless charging cradle ensuring that it is always ready for testing when you are. You can even print results for later review without being plugged in.

* Almeida, M.G., Sena-Yoshinaga, T.A., Côrtes-Andrade, I.F., Sousa, M.N.C., & Lewis, D.R. (2014). Automated auditory brainstem responses with CE-Chirp® at different intensity levels. *Audiol Commun Res*, 19(2), 117-123.



The Sera™ OAE & automated ABR screener is based on many years of clinical experience



Sera™ automated ABR screening

The intuitive workflow and the large touchscreen make Sera™ fast and easy to operate when testing newborns, even with minimal training.

Sera™ helps reduce test time with binaural testing and its intuitive workflow

The Sera™ automated ABR provides a reliable and easy to interpret pass or refer result - important in any newborn hearing screening program.

Reliable automated ABR screening

The Sera™ default automated ABR screening protocol provides a reliable result with an algorithmic sensitivity of 99.9% and a specificity greater than 96%.

Based on knowledge

The Sera™ automated ABR screening solution builds on extensive clinical research and our many years of experience in ABR testing.

Optimized for noisy environments

The Sera™ automated ABR algorithm uses weighted averaging technology to combat against noise in the test environment. Using the EarCups with Sera™ also helps to reduce noise in challenging testing conditions.

CE-Chirp®

Stimulus compensates for cochlear travel time. The result is a response amplitude up to twice the size compared to a standard click.

Unique CE-Chirp® stimulus

The trusted and proven CE-Chirp® stimulus significantly reduces your testing time to typically less than 30 seconds* and gives you more freedom to focus on your patient.

Simultaneously test both ears

By using either insert phones or EarCups you can test both ears simultaneously and reduce your test time.

The unique Sera™ pre-amplifier ensures optimum performance in electrically hostile environments.

* Almeida, M.G., Sena-Yoshinaga, T.A., Côrtes-Andrade, I.F., Sousa, M.N.C., & Lewis, D.R. (2014). Automated auditory brainstem responses with CE-Chirp® at different intensity levels. *Audiol Commun Res*, 19(2), 117-123.



Automated
ABR screening in
typically less than
30 seconds*

Sera
by interacoustics

Preamplifier
by interacoustics

Sera™ OAE screening in seconds

Sera™ offers fast OAE screening of newborn babies in an easy to use, handheld device. Place the probe in the baby's ear and a few seconds later clear test results will be displayed.



Designed with care for small ears

The light-weight OAE probe and dedicated infant eartips ensure an easy fit into even the smallest ears. You can also clean or replace Sera™ probe tips.

Less noise ensures reliable results

A group of dedicated engineers at Interacoustics have perfected the OAE detection algorithms, offering unprecedented reliability in their resistance to noise and other artifacts.

Together with its sleek design and special on-screen user guidance, Sera™ makes sure that you always obtain a proper probe seal.

Probe

Light-weight probe with dedicated infant eartips

Probe tips

Easy and fast to clean or replace, if blocked

Feedback

Probe fitting feedback for a proper seal

Noise monitor

Noise monitoring during testing

Intelligence

Intelligent detection algorithm for a PASS or REFER result

Advanced in ear detection ensures a reliable OAE result every time!



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 Sera™ can be downloaded from our website.

Read more at
interacoustics.com

Go online to
explore our
full product
range



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