



# easyScreen

The name says it all

## Combined ABR + OAE Newborn Hearing Screener

easyScreen is designed to lighten your daily workload in all ways possible: it fits right into your pocket, is lightweight and will get you accurate results within seconds. The resistive 4.3" touchscreen works with medical gloves and allows you to start a test with only 3 clicks.



## Newborn Hearing Screening has never been so easy

Perfect for the use in hospitals, easyScreen is fast, easy to handle and comes with an on-screen guidance. Even first-time users will achieve the most accurate results with the help of easyScreen. The device reminds you of all important steps before testing and will inform you if anything is interfering with your test conditions to achieve correct results.

**easyScreen**

**Our first choice for Newborn Hearing  
Screening programs**



The choice is yours



Benefit from maximum flexibility – our easyScreen OAE + ABR combo-screener can be configured to perfectly match your needs. Choose your ideal combination of ABR

- with our unique BERAprone®
  - and/or insert earphones with or without Infant EarCups™
- plus optional OAE SnapPROBE™ for TEOAE and/or DPOAE.



## BERAphone® – screen the smart way



Saving costs on ABR screening is so easy with the BERAphone®. Reusable electrodes and transducer are integrated into the device so that no disposables are needed. The forehead electrode can be rotated or replaced with an optional longer electrode for smaller baby heads – a perfect fit for each and every baby. The electrode fall-off detection and status LEDs make it easy to achieve reliable results while allowing you to focus more on the baby. Just connect the easyScreen BERAphone® and you're ready to start screening.

In addition to the standard oval shape a larger, round cushion is available for testing larger heads.



The spring-loaded electrodes adapt gently to any head-shape



Color-coded LEDs showing the selected test ear as well as impedance and test status feedback

A button on the BERAphone® lets you start the screening right where you are, at the baby's side.

## Powerful automated ABR for accurate results

easyScreen makes use of our unique CE-Chirp® stimulus and a powerful detection algorithm. Together, they achieve accurate pass and refer results within seconds.

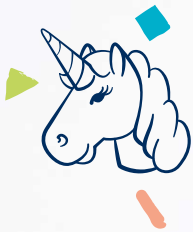
The patented CE-Chirp® stimulates all regions of the cochlea at the same time and thus generates a much larger response – for faster results than a standard click. This leads to very reliable results under normal nursery conditions.



## Full flexibility of test methods

Automated ABR tests with the MAICO easyScreen can also be conducted using insert phones or Sanibel Infant EarCups™ with Snap Electrodes. The Sanibel Infant EarCup™ is a high quality, low cost disposable over-the-ear earphone ideal for bilateral newborn hearing screening. The design helps to reduce the effects of ambient noise during testing.

With BERAPhone® and Infant EarCups™, you have full flexibility in choosing how to perform each test and can accommodate the preferences of individual screeners perfectly.



## Optional TEOAE and DPOAE for 2-step screening

The easyScreen is available with optional DPOAE and/or TEOAE to match your individual screening needs. With automated ABR and OAE in one single device, easyScreen offers a cost-efficient solution for two stage screening programs.

easyScreen's SnapPROBE™ ensures best test results while offering comfort for the baby. It is extremely lightweight and fits easily into even the smallest ears. By using the new tri-lumen Sanibel™ eartips, probe tips are no longer needed. Just push the eartip on the probe body. Because of the symmetrical design, the eartip will easily find its way onto the three probe channels. The probe itself is protected by replaceable wax guards known from popular hearing aid technology. By discarding the eartip that came into contact with the patient, cross infection is avoided and cleaning effort is reduced remarkably.

We recommend using only Sanibel Supply disposables to guarantee the best fit and optimal results.



## Intuitive software for easy Data Management

Save time by using easyScreen's cradle for wireless charging. Connect your device to the PC and you are ready for data export. Start the export with a few clicks and store, view and manage patient data directly in the dedicated optional HearSIM™ software.



HearSIM™ is just as intuitive as easyScreen. Choose to print your test results from your PC or right away from easyScreen on the go. easyScreen – the name says it all!



## Ready to roll – stay mobile with our easyScreen cart

All parts and accessories of your easyScreen BERAPHONE® fit neatly onto our optional cart, where they are always at your fingertips. The easiest way to take your equipment with you, wherever you go.



# Technical Data easyScreen

## easyScreen

Dimensions / Weight	163 x 85 x 21 mm / 265 g
Display	4.3" color touch screen
Languages	English, Chinese, Dutch, French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Turkish
Storage	max. 250 patients with 50 tests each
PC interface	micro USB
Battery	Rechargeable Li-ion

## Cradle

Charging	Wireless (inductive charging)
Power supply	5 V DC (micro USB)
Dimensions / Weight	142 x 140 x 62 mm / 270 g

## ABR

Stimuli	CE-Chirp®, Click
Stimulus rate	~90 /s
Test mode	monaural / binaural
Level range	25 dB nHL to 45 dB nHL
Impedance test	Automatic pre-test
Test duration	10 s to 180 s
Artifact rejection level	100 µV

## BERAphone®

One Channel	3 reusable stainless-steel electrodes
Transducer	Integrated dynamic speaker (8 Ω)
Controls	Button to start/pause test, LED's to indicate test ear, electrode impedance and test status
Dimensions / Weight	94 x 171 x 90 mm / 300 g
Gain	72 dB
CMR Ratio	>110 dB at 100 Hz

## Insert Earphones

Transducer	IP30 with eartips or EarCups™
Preamplifier	
One Channel	3 electrode cables (black, yellow and white)
Gain	72 dB
CMR Ratio	>110 dB at 100 Hz
Dimensions / Weight	85 x 50 x 25 mm / 85 g

## TEOAE\*

Stimulus type	non-linear Click
Level range	60 dB peSPL to 83 dB peSPL
Analysis bands	1.4, 2, 2.8 and 4 kHz (center frequencies)
Pass criteria	Depends on protocol; Default: 3 out of 4 bands, min 4 dB SNR, min -5 dB SPL OAE level
Test duration	4 s to 60 s

## DPOAE\*

Stimulus type	Pairs of pure tones
Level (L1/L2)	50 dB SPL to 65 dB SPL
Frequency range	1.5 kHz to 6 kHz
F2/f1 ratio	1.22
Pass criteria	Depends on protocol; Default: 3 out of 4 bands, min 6 dB SNR, min -5 dB SPL OAE level
Test duration	4 s to 60 s

## OAE Probe\*

Cable length	120 cm
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## Standards

OAE IEC 60645-6, Type 2, ABR IEC 60645-7 Type 2, Safety IEC 60601-1, Type B and BF, EMC IEC 60601-1-2, CE 0123 according to Medical Device Regulation (EU) 2017/745, Class IIa

\*only available in combination with ABR  
Protocols can be only changed with HearSIM™ PC software.  
Specifications are subject to change without notice.



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