

easyScreen BERAphone® The World of Newborn Hearing Screening in One Device

OAE + ABR combo-screener with our unique BERAphone®

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. Just connect the easyScreen BERAphone® and you're ready to start screening. A button on the BERAphone lets you start the screening right where you are, at the baby's side.

The 'electrode fall-off detection' ensures reliable testing. With color-coded LEDs showing the selected test ear as well as impedance and test status feedback, the BERAphone® makes it easy to achieve reliable results while allowing you to focus more on the baby. The spring-loaded electrodes adapt gently to any head-shape and 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 name says it all: easyScreen

Designed for ease-of-use, the easyScreen makes your workflow faster and more intuitive. The device guides you through the screening on the large color touchscreen. The powerful CE-Chirp® generates fast and accurate results which you can manage easily in our dedicated HearSIM™ software. There is no need to bring a PC to every screening – just our small, lightweight easyScreen. All parts and accessories of your easyScreen BERAphone® fit neatly onto our optional cart, where they are always at your fingertips.

The choice is yours

Benefit from maximum flexibility – our easyScreen BERAphone® OAE + ABR combo-screener can be configured to perfectly match your needs. Choose your ideal combination of ABR with our unique BERAphone® and/or insert earphones plus optional OAE probe for TEOAE and/or DPOAE.

Features at a glance

- Unique BERAphone® with integrated electrodes saves costs for disposables
- Small and lightweight
- Powerful ABR detection algorithm for testing within seconds
- Fast and easy ABR and/or OAE hearing screening
- Truly intuitive user interface
- On-screen guidance; i.e. reconnect electrodes
- Large color touchscreen for comfortable navigation
- Very short boot-up time and long battery life
- Cradle for wireless charging
- Optional HearSIM™ device manager with OtoAccess® Database



CE-Chirp® inside



Technical Data easyScreen BERAphone®

easyScreen

Dimensions / Weight	163 x 85 x 21 mm / 265 g
Display	4.3" color touch screen
Languages	English, German, Spanish, French, Italian, Dutch, Turkish, Chinese, Japanese, Korean, Romanian, Norwegian
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	30 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 Phones

Transducer	IP30 with eartips or EarCups™
Preamplifier	
One Channel	3 electrode cables (black, yellow and white)
Gain	65 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

IEC 60645-6 Type 2, IEC 60645-7 Type 2, IEC 60601-1 Type B and BF, IEC 60601-1-2, according to the class IIa of the EU medical directive 93/42/EEC



Standard Components

easyScreen, charging cradle, power supply, USB cable, easyScreen BERAphone® with cradle, set of replacement electrodes, carrying case, starter kit, cleaning cloth, stylus touchpen, neckstrap

Optional Accessories

HearSIM™ with OtoAccess® Database, wireless label printer, standard OAE probe*, SnapPROBE™, preamplifier, insert phones IP30 for EarCups™ or eartips, easyCart

*only available in combination with ABR

Protocols can be only changed with HearSIM™ PC software. Specifications are subject to change without notice.



easyScreen device



Cradle



BERAphone® with cradle



OAE probe*

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