

easyScreen

The name says it all

Our new combined ABR + OAE newborn hearing screener

Exceed your NHS program goals

With our new easyScreen we unite ABR, TEOAE and DPOAE screening capabilities in one device to meet your need for a cost-efficient 2-step OAE/ABR screening system. Designed to lighten your daily workload easyScreen is portable and fits right into your pocket. Benefit from easyScreen's binaural automated ABR method and simply test not only one but both ears without losing any time.

Powerful ABR test method

Our unique CE-Chirp stimulus and powerful response detection algorithm work together to 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.

Hearing screening made easy

Thanks to our user-friendly design, it is as easy to operate as a smartphone. The resistive 4.3" touchscreen works with medical gloves and allows the user to start a test with as few as 3 clicks. Feel more confident with our on-screen user guidance and overcome the challenges of newborn hearing screening with ease. Finally, print your test results instantly using the easyScreen wireless printer.

Improve your workflow

Simply place the base unit into the cradle to charge easyScreen. Store, view and manage patient and screening data with our dedicated HearSIM™ software – it is just as intuitive as handling easyScreen.

Features at a glance

- Fast and easy ABR + OAE hearing screening
- Powerful ABR detection algorithm for testing within seconds
- Truly intuitive user interface
- On-screen guidance; i.e. probe fitting feedback, noise monitoring
- Small and lightweight
- 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

Upgradable to easyScreen BERAphone®

 CE-Chirp® inside



Technical Data easyScreen

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 or 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

Insert phones

Transducer	Insert phones 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 2009 Type 2, IEC 60645-7 2009 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

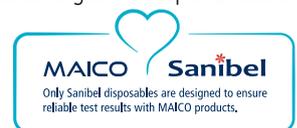
easyScreen, charging cradle, power supply, USB cable, preamplifier, insert phones IP30 for EarCups™ or eartips, electrode lead wires, carrying case, starter kit, cleaning cloth, stylus touchpen, neckstrap

Optional Accessories

HearSIM™ with OtoAccess® Database, easyScreen BERAPhone®, standard OAE probe, SnapPROBE™, wireless label printer, easyCart

SANIBEL

We recommend using only Sanibel disposables to guarantee optimal results.



*only available in combination with ABR

Protocols can be only changed with HearSIM™ PC software.

Specifications are subject to change without notice.



easyScreen device with cradle



Preamplifier



Insert earphones IP30



OAE probe*

MAICO Diagnostics GmbH

Sickingenstr. 70-71 · 10553 Berlin · Germany

Tel.: +49 30/70 71 46-50 · Fax: +49 30/70 71 46-99

sales@maico.biz · www.maico.biz