

easyScreen

The name says it all

Our new combined ABR + OAE newborn hearing screener

Features at a Glance

- Fast and easy ABR + OAE hearing screening
- Powerful ABR detection algorithm for testing within seconds
- 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
- HearSIM™ patient database and device manager
- Upgradeable to easyScreen BERAprone in 2018

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 two 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 test both ears quickly, a big time saver.

Patented ABR test method

Our CE-Chirp® stimulus and powerful response detection algorithm work together to achieve accurate pass and refer results within seconds. The CE-Chirp® stimulates all regions of the cochlea at the same time and thus generates a much larger response which provides much 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 taps. 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, equally as intuitive as the easyScreen device.

 CE-Chirp® inside



Technical Data

ABR

Stimuli	CE-Chirp®
Stimulus rate	~90/s
Test mode	monaural or binaural
Level	35 dB nHL
Impedance test	Automatic pre-test
Test duration	10 sec to 180 sec
Artifact rejection level	100 µV
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	3 in x 2 in x 1 in
Weight	3 oz

TEOAE*

Stimulus type	Click
Level	83 dB _{SPL} (in-ear calibration)
Analysis bands	1.4, 2, 2.8 and 4 kHz (center frequencies)
Pass criteria	3 out of 4 bands, min 4 dB SNR, min -5 dB _{SPL} OAE level
Test duration	4 sec to 60 sec
Transducer	OAE Probe (20 or 48 in cable length)

DPOAE*

Stimulus type	Pairs of pure tones
Level (L1/L2)	65/55 dB _{SPL}
F2 Frequencies	2, 3, 4 and 5 kHz
F2/F1 ratio	1.22
Pass criteria	3 out of 4 bands, min 6 dB SNR, min -5 dB _{SPL} OAE level
Test duration	4 sec to 60 sec
Transducer	OAE Probe (20 or 48 in cable length)

SANIBEL

We recommend using only Sanibel disposables to guarantee optimal results.



DEVICE GENERAL

Dimensions	6.5 in x 3.3 in x 0.9 in
Weight	9.3 oz
Display	4.3" color touch screen
Languages	English, German, Spanish, French
Storage	max. 250 patients with 50 tests each
PC interface	micro USB
Power Supply	Rechargeable Li-ion Battery

CRADLE

Charging	Wireless (inductive charging)
Power supply	5 V DC (micro USB)
Dimensions	5.5 in x 5.5 in x 2.5 in
Weight	9.5 oz

STANDARDS

IEC 60645-6 2009 Type2	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
- Electrode lead wires
- Carrying case
- Starter kit
- Cleaning cloth
- Stylus
- Neckstrap
- HearSIM™ PC software
- Transducer (IP30 and OAE probe for DP or TEOAE)

OPTIONAL COMPONENTS

- Label printer
- Cart

*only available in combination with ABR
Specifications are subject to change without notice.

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ONE YEAR LIMITED WARRANTY: This warranty is extended to the original purchaser of the instrument, by MAICO, through the Distributor from whom it was purchased. The warranty covers defects in material and workmanship for a period of one year from date of invoice of the instrument to the original purchaser. Accessories which are purchased from MAICO at the same time as the instrument are also under warranty for one year from the date of invoice. For additional information contact your MAICO Distributor.