

# 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 BERAphone 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

<b>Stimuli</b>	CE-Chirp®
<b>Stimulus rate</b>	~90/s
<b>Test mode</b>	monaural or binaural
<b>Level</b>	35 dB nHL
<b>Impedance test</b>	Automatic pre-test
<b>Test duration</b>	10 sec to 180 sec
<b>Artifact rejection level</b>	100 µV
<b>Transducer</b>	IP30 with eartips or EarCups™
<b>Preamplifier</b>	
<b>One Channel</b>	3 electrode cables (black, yellow and white)
<b>Gain</b>	72 dB
<b>CMR Ratio</b>	>110 dB at 100 Hz
<b>Dimensions</b>	3 in x 2 in x 1 in
<b>Weight</b>	3 oz

### TEOAE\*

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

### DPOAE\*

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

### SANIBEL

We recommend using only Sanibel disposables to guarantee optimal results.



### DEVICE GENERAL

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

### CRADLE

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

### 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
- 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.