

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
- HearSIM™ patient database and device manager

Upgradable to easyScreen BERAphone in 2018

 CE-Chirp® inside



Technical Data easyScreen

ABR		DPOAE*	
Stimuli	CE-Chirp®	Stimulus type	Pairs of pure tones
Stimulus rate	~90 /s	Level (L1/L2)	65/55 dB SPL
Test mode	monaural or binaural	F2 Frequencies	2, 3, 4 and 5 kHz
Level	35 dB nHL	F2/f1 ratio	1.22
Impedance test	Automatic pre-test	Pass criteria	3 out of 4 bands, min 6 dB SNR, min -5 dB SPL OAE level
Test duration	10 s to 180 s	Test duration	4 s to 60 s
Artifact rejection level	100 µV	Transducer	OAE Probe (50 or 120 cm cable length)
Transducer	IP30 with eartips or earcups™	easyScreen	
Preamplifier		Dimensions /Weight	163 x 85 x 21 mm / 265 g
One Channel	3 electrode cables (black, yellow and white)	Display	4.3" color touch screen
Gain	72 dB	Languages	English, German, Spanish, French and more to come
CMR Ratio	>110 dB at 100 Hz	Storage	max. 250 patients with 50 tests each
Dimensions /Weight	85 x 50 x 25 mm / 85 g	PC interface	micro USB
TEOAE*		Battery	Rechargeable Li-ion
Stimulus type	Click	CRADLE	
Level	83 dB SPL (in-ear calibration)	Charging	Wireless (inductive charging)
Analysis bands	1.4, 2, 2.8 and 4 kHz (center frequencies)	Power supply	5 V DC (micro USB)
Pass criteria	3 out of 4 bands, min 4 dB SNR, min -5 dB SPL OAE level	Dimensions /Weight	142 x 140 x 62 mm / 270 g
Test duration	4 s to 60 s	STANDARDS	
Transducer	OAE Probe (50 or 120 cm cable length)	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	



SANIBEL

We recommend using only Sanibel disposables to guarantee optimal results.



STANDARD COMPONENTS

easyScreen, charging cradle, power supply, USB cable, preamplifier, transducer (IP30 and OAE probe*), electrode lead wires, carrying case, starter kit, cleaning cloth, stylus touchpen, neckstrap, HearSIM™ PC software

Standard Components						
	easyScreen device	Cradle	Preamplifier	Insert earphones	OAE probe*	Sanibel eartip starter kit
Optional Accessories						
	Wireless label printer					

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

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