

## 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

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



### 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

### SANIBEL

### 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

|                            |   |   |   |   |  |   |  |
|----------------------------|---|---|---|---|--|---|--|
| <b>Standard Components</b> |  |              |  |  |  |  |  |
|                            | easyScreen device   | Cradle  | Preamplifier  | Insert earphones  | OAE probe*   | Sanibel eartip starter kit  |  |
|                            | <b>Optional Accessories</b>   |              |   |   |  |   |  |
|                            |   | Wireless label printer  |   |   |  |   |  |
|                            |   | *only available in combination with ABR<br>Specifications are subject to change without notice. |   |   |  |   |  |

### 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