

MB 11 BERAphone®

Excellence in Newborn Hearing Screening

Fast and Baby-friendly Screening

The MAICO MB 11 BERAphone® offers a fast automated ABR screening test for newborns. The patented BERAphone® includes speaker for acoustical stimulation and sensing electrodes for response measurement, all in one unit. The cushioned earpiece and the reusable electrodes allow testing without adhesive disposables, making it more comfortable for the baby and friendly to the environment.

The Patented CE-Chirp®

The CE-Chirp® stimulates all regions of the cochlea at the same time and thus generates much higher responses than a standard click. This leads to very reliable results within a very short test time.

NEW Intuitive PC Software for More Efficiency

The updated software guides through the entire screening process. Streamline your workflow by adjusting the user interface to your needs. Focus more on your patients than on data handling. Get all needed instructions on-screen during preparation and all through the test to ensure best results. You can quickly print the results or save them as a PDF. Automated tracking export in various formats reduces your effort even further.

Features at a Glance

- Fast and automated ABR-screening, reliable results within seconds
- Eco-friendly BERAphone® with reusable electrodes
- Automatic skin impedance check ensuring precise and clear signal conditions
- Cutting-edge PC software for easy operation
- Guided screening process with on-screen instructions
- Flexible data exporting options for tracking

 CE-Chirp® inside



Technical Data

MB 11 BERAphone®

Dimensions / Weight	120 mm x 93 mm x 30 mm / 142 g
Display	Test result (Pass, Refer or Incomplete), test diagram with line towards PASS, EEG signal and noise, electrode positions and impedance
Languages	English, Chinese, French, German, Hungarian, Japanese, Polish, Russian, Spanish, Turkish
PC interface	USB
Power supply	5V DC max. 400 mA via USB

Cradle

Dimensions / Weight	119 mm x 160 mm x 74 mm / 270 g
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BERAphone®

One Channel	3 reusable stainless-steel electrodes
Gain	69.3 dB
CMR Ratio	>110 dB at 80 Hz
Transducer	Integrated dynamic speaker
Dimensions / Weight	160 mm x 87 mm x 60 mm / 285 g

ABR

Stimuli	CE-Chirp®
Stimulus rate	~90 /s
Stimulus level	35 dB nHL (default)
Level range	25 dB nHL to 45 dB nHL
Test mode	monaural
Impedance test	Automatic pre-test
Test duration	16 s to 180 s
Artifact rejection level	80 µV to 120 µV

Computer Requirements

CPU	Intel Core i5, i7 or equivalent
RAM	Minimum 8 GB
Hard Disk	Minimum 10 GB free disk space
Interface	1 free USB port
Display	Minimum resolution 1360 x 786
Operating System	Windows 10 Pro, Enterprise 32/64 bit (no 'N' Edition) Windows 11 32/64 bit

Standards

ABR	IEC 60645-7, Type 2
Safety	IEC 60601-1, Type BF
EMC	IEC 60601-1-2
CE 0123	according to Medical Device Regulation (EU) 2017/745, Class IIa

Standard Components

- MB 11 Box with BERAphone®
- Cradle
- Set of replacement electrodes
- Electrode gel
- Carrying case
- PC software
- USB cable

Optional Components

- Label printer
- Cart solution

Specifications are subject to change without notice.



BERAphone®
with cradle



MB 11 Box



Electrode gel



Carrying case

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