

MAICO MB 11 Classic with Infant EarCups™

Binaural Automated ABR Screening

Screening with the patented CE-Chirp™

The MB 11 Classic offers very fast and automated ABR screening tests. CE-Chirp™ stimulates all regions of the cochlea simultaneously, thus generating much higher responses and faster results compared to a standard click. Using an advanced ABR detection algorithm, the measurement obtains very fast and reliable results. If a response at 35 dB nHL is detected, the test takes less than 3 minutes.

Binaural and Simultaneous Screening

The MB 11 Classic offers binaural automated ABR Screening tests with only three electrodes, supported by an integrated automatic impedance check to ensure good testing conditions.

Easy Handling and Quick Preparation

The Infant EarCup™ and snap electrodes reduce the preparation time to a minimum and assure perfect measurement conditions. The clear see-through Infant EarCup™ allows easy positioning over the ear.

Features at a glance

- Very fast Automated ABR screening with CE-Chirp™ stimulus
- Simultaneous binaural screening
- Advanced ABR detection algorithm provides "PASS" or "REFER" result
- Automatic impedance check ensuring precise and clear signal conditions
- Automatic data export for easy tracking
- Using Sanibel Infant EarCups™ and snap electrodes

 CE-Chirp® inside



Technical Data

MB 11 Classic

| | |
|---------------------|--|
| Dimensions / Weight | 120 mm x 93 mm x 30 mm / 142 g |
| Display | Test result (Pass, Refer or Abort), test diagram with line towards PASS, signal quality or EEG, traffic light for impedance test |
| Languages | English, German, Spanish, French, Italian, Dutch (Belgium), Turkish, Hungarian, Russian, Chinese, Japanese |
| PC interface | USB |
| Power supply | USB-Port 5V DC max. 400 mA |

Preamplifier

| | |
|---------------------|--|
| One Channel | 3 electrode cables (black, yellow and white) |
| Gain | 69.8 dB |
| CMR Ratio | >110 dB at 80 Hz |
| Dimensions / Weight | 100 mm x 100 mm x 22 mm / 100 g |
| Transducer | IP30 with EarCup™ adapter |

ABR

| | |
|--------------------------|--------------------|
| Stimuli | CE-Chirp® |
| Stimulus rate | ~90 /s |
| Stimulus level | 35 dB nHL |
| Test mode | monaural/binaural |
| Impedance test | Automatic pre-test |
| Test duration | 16 s to 180 s |
| Artifact rejection level | 100 µV |

Computer Requirements

| | |
|------------------|---|
| Type | 2 GHz or more |
| RAM | Minimum 1 GB |
| Hard Disk | Minimum 10 GB free disk space |
| Interface | USB 1.1, 2.0 or 3.0 |
| Display | Min. resolution 1280 x 1024 or higher |
| Graphic card | Direct X9 with WDDM 1.0 or higher |
| Operating System | Windows 7 32/64-bit Professional Windows 8 32/64-bit Pro Windows 10 32/64-bit Pro |

Standards

IEC 60645-7, type 2,
IEC 60601-1 BF,
IEC 60601-1-2, according to medical device directive 93/42/EEC



Standard Components

- MB 11 Box with preamplifier
- IP30 insert phone with Infant EarCup™ adapter
- Electrode cables
- Set of replacement electrodes and Infant EarCups™
- Nuprep® preparation gel
- Carrying case
- PC Software
- USB cable

Optional Components

- Label printer

Sanibel

We highly recommend to use Sanibel disposables in order to guarantee optimal test results.



MB 11 Box

Preamplifier

IP30 Insert
phoneElectrodes and
Infant EarCups™

Specifications are subject to change without notice.

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