

The innovative system for objective audiometry MAICO – ABR MB 22



- Diagnostic dual channel ABR for all tests in the ENT-office and hospital
- Ergonomic and easy to operate for fast Diagnostic Tests
- Fast threshold investigation with Time Step Stimulus in about 2 minutes
- Quasi-simultaneous measurement of 3 binaural respectively 6 levels monoral
- Individually programmable measuring test routines
- Integrated evaluation software with automatic Wave I, III and V detection

The practical solution for ABR diagnostic

MAICO – ABR MB 22

Complete, dual-channel ABR-diagnostic

MAICO MB 22 Diagnostic ABR measures brainstem evoked response quickly, accurately and easily. It offers various options for adjustments and a tone burst stimulation of around 500 Hz. All the ABR can be done with either white-noise masking (for one ear) or for both ears.

Time Step Stimulus

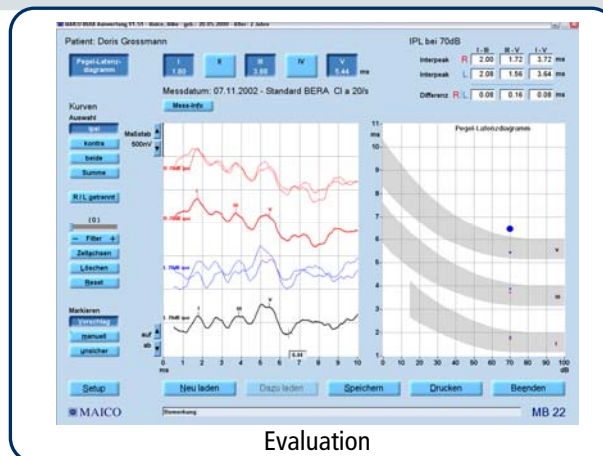
The MB 22 comes complete with Time Step Stimulus for quick and accurate determination of the hearing threshold. During the measurement 6 intensities are delivered and the ABR responses are shown in a curve. Due to algorithm Wave V is largely considered as the indication of the hearing threshold hence any hearing loss is quickly determined.

Reproducible Result

All accepted brainstem response will be kept in two independent memory storages which can then be retrieved for comparison or as "buffers" on the screen. This provides the security essential for assessing the reproducibility of the measurement.

Presentation of Result

All latencies and the inter peak latency I-V will be automatically computed after the evaluation and displayed on the screen. Curves can be evaluated manually or on request automatically. A level latency diagram may be displayed and the curves of the opposite side can be overlaid so that differences between right or left are simply to be recognized. The system also offers the possibility of recalling older curves at any time.



Evaluation

Technical Data

Channels:	2
Signal presentation:	right, left and alternating
Test signal:	Click, tone burst
Test sweep:	Single Click, 3- step- and 6- step quasi simultaneous click, step stimulus sequence
Stimulus rate:	7/s and 14/s time step sequence, 9/s and 20/s standard ABR
Stimulus level:	0...100 dB _{HL} in 5 dB steps
Masking:	white noise 0-100 dB _{HL}
Number of summations:	max. 6000 (2 x 3000 in A/B buffer)
Headphone:	TDH 39 or HDA 280
EEG-gain:	86 dB (20.000)
Display:	Test results with actual EEG (count of measurements and artifacts, signal quality, status of test)
Control of signal quality:	By online-EEG
Standards:	IEC 601-1, class 1, BF According to medical directive 93/42/EEC
Power supply:	Mains 100-240 V~, 50/60 Hz, app. 25 VA
PC requirements:	Intel Pentium IV compatible, 500 MB RAM, 10 GB Harddisk, USB Port, Windows XP Pro SP2, Monitor: 1024 x 768 Resolution (Optimal 1280 x 1024)
Dimensions and weights	38 x 10,5 x 23 (L x H x D) 2,6 kg
Standard accessories:	MB 22 box, external preamplifier, headphone, ABR software, disposable electrodes, electrode cables, mains cable, ground cable



Specifications are subject to change without notice



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