

EMIXI
OAE+AABR

ASIZWE
HEARING SOLUTIONS
SIMPLY AFRICAN



OTOACOUSTIC EMISSIONS

EMIXI is an Otoacoustic Emissions detector, an intuitive HORENTEK®'s device. EMIXI records the sounds into ear canal, thanks to a very sensible microphone; those sounds are the result of the energy generated in the cochlea.

EMIXI is portable, ergonomically designed and reliable, moreover the instrument is easy to use and can perform fast screening tests too. A quick evaluation of the tests' result is permitted by the intuitive keypad, clear and bright color display, memory storage of 280 tests. Predefined test protocols come out with EMIXI, such as TEOAE and DPOAE specific screening (Pass or Refer) or clinical; therefore, specialists can create and customize their own protocols via software platform (iLink).

Furthermore, EMIXI can be equipped with AABR optional module for a complete screening solution. Automatic Auditory Brainstem Response is measured thanks to surface electrodes and to a modern noise excluding pre-amplifier, the evoked potential is generated by click using insert or headphones. EMIXI AABR module is precise and reliable because there is an automatic control for artifacts and electrodes impedance.

TECHNICAL DATA

DATA STORAGE AND TRANSFER

Stored Test	up to 270 Tests (100 TEOAE, 120 DPOAE and 50 AABR)
Data transfer	Dedicated SW (Windows)
USB	Integrated USB port

DPOAE – Distorsion Product

Frequency Range Analysis	From 680 Hz to 5040 Hz
FDP	2F1-F2
Test Level	L1/L2=60/55 dB SPL screening or 65/55 dB SPL clinic
Max Stimuli intensity	Da 0dB SPL a 90dB SPL
Transducer	OAE Probe
Display Result	PASS/REFER GRAPH DP with DPOAE and noise level
Test Duration	From 20 sec to 60 sec

TEOAE – Transient linear and non-linear

Frequency Range Analysis	from 1000Hz to 5000Hz
Stimulus	Click
Display Result	PASS/REFER, mediated waveform, S/N level and Correlation
Stimuli Intensity	Da 0dB SPL a 90dB SPL
Transducer	OAE Probe
Max Output	90 dB SPL
Test Duration	From 20 sec to 60 sec

AABR – Automatic Auditory Brainstem Response

Display Result	PASS/REFER
Test Duration	1 minute
Stimulus	Click(condensation mode)
Stimulation Frequency	~38 Hz
Max intensity	90dB SPL

POWER SUPPLY

Battery Type	Integrated Polimer Lithium Battery - 1200mAh Rechargeable
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