



# HORENTEK®

REVOLUTION MADE IN ITALY

## EMIXI

OAE and ABR testing



TEOAE and DPOAE screening or clinical tests, Automatic ABR

# EMIXI OAE and AABR testing

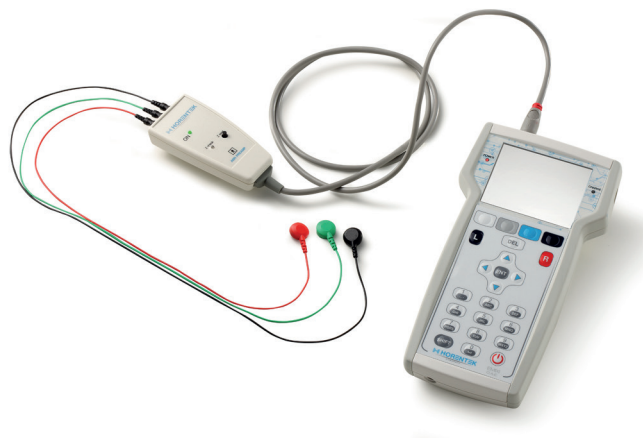


EMIXI is an Otoacoustic Emissions detector, an intuitive HORENTEK®'s device. EMIXI records the sounds into ear canal, thanks to a very sensible microphone; those sounds are the result of the energy generated in the cochlea.

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.

Several default 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 Arka 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

### INTERNAL DATA STORAGE AND DATA TRANSFER

Record	Up to 280 records (110 TEOAE, 120 DPOAE and 50 AABR)
Data transfer	Dedicated management software (for OS Windows), simultaneous transfer of all records
USB	USB port integrated

### DPOAE - Distorsion products

Frequency range analysis	From 250Hz to 10000Hz
Frequency accuracy	± 0.01%
Frequency resolution	5, 10 and 25 Hz (programmable steps)
Stimulus intensity	from 0dB SPL to 90dB SPL
Accuracy of the measurement level	± 2 dB
Maximum output	90 dB SPL
Temporal analysis	Screening: 12ms - Clinical: 20ms

### TEOAE - Linear and non-linear transients

Frequency range analysis	From 1000Hz to 5000Hz
Frequency accuracy	± 0.01%
Frequency resolution	50 Hz
Stimulus intensity	from 0dB SPL to 90dB SPL
Accuracy of the measurement level	± 2dB SPL
Maximum output	90 dB SPL
Temporal analysis •	Screening: 12ms - Clinical: 20ms

### AABR - Automatic Auditory Brainstem Response

Bandwidth	From 100Hz to 2500Hz
Analysis time	10ms, 12ms, 15ms
Stimuli	Click: positive, negative, bipolar
Stimuli Frequency	Up to 140Hz
Max Intensity	90dB SPL

### POWER SUPPLY

Battery Type	Integrated Polymer Lithium battery - Rechargeable 1200mAh
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