



ENT --- SOLUTION



Hearing Assessment

ELIOS

BUILD IT AS YOU WISH IT

Elios is an hearing assessment device that can include **up to 11 measurements configurations**. You can build your device by choosing the appropriate measurements for your activity. The device can be **upgraded** at any time with new measurements purchased later.

HYBRID: STAND-ALONE AND COMPUTER-BASED

Two modes of operation are available.

Perform tests directly on the device



Connect the device to your computer

Via the supplied USB cable you can control the Echodia devices from your PC or MAC with the free Echosoftware.



OTOACOUSTIC EMISSIONS MEASUREMENTS

TEOAE: clinical and screening
Transient Evoked Otoacoustic Emissions

Dpgram / DPOAE
Distortion Products analogy to the audiogram

Shift-OAE - HYDROPS
Acoustic Distortion Products



EVOKED POTENTIALS MEASUREMENTS

ABR: clinical and screening
Auditory Brainstem Response, PREMA AABR included

ASSR ^{NEW}
Auditory Steady-State Response (computer-based only)

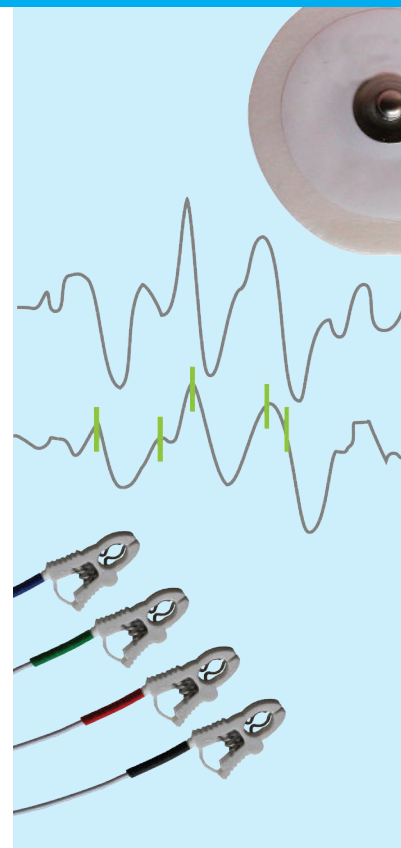
e-ABR
Electrical ABR (unique feature on the market)

oVEMP / cVEMP
Myogenic Vestibular Evoked Potentials



DPMC - HYDROPS
Cochlear Microphonic Potential Phase Shift

ECochG - HYDROPS
*Electrocochleography
noninvasive technique with a gold coated electrode*

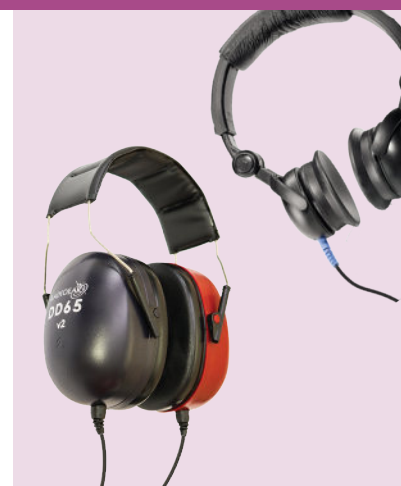


AUDIOMETRY MEASUREMENTS

Air conduction
125 to 12 000Hz, -10 to 100dB HL, manual or automatic mode

Bone conduction
250 to 8 000Hz, -10 to 70dB HL, manual or automatic mode

Speech
Lists loaded on the device, manual or automatic mode



INNOVATIVE

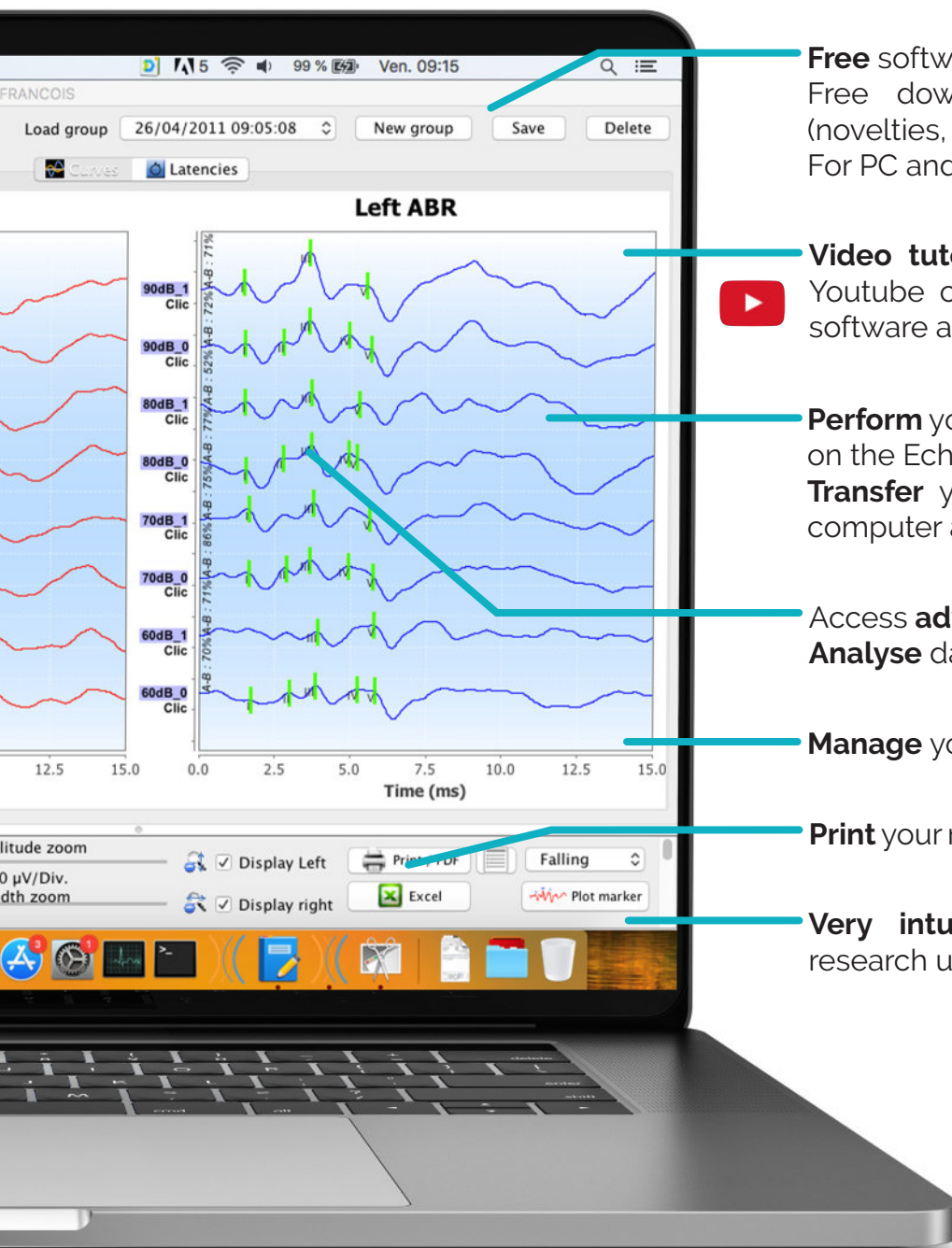
ALL IN ONE

INTUITIVE

TOUCH SCREEN

COMPUTER BASED

ACCURATE



Free software stored on a USB key
Free download of updates via internet (novelties, improvements...)
For PC and MAC

Video tutorials available on the ECHODIA Youtube channel to help you installing the software and performing the measurements

Perform your measurements on the device or on the Echosoft via USB connection
Transfer your data from the device to the computer and consult your measurements

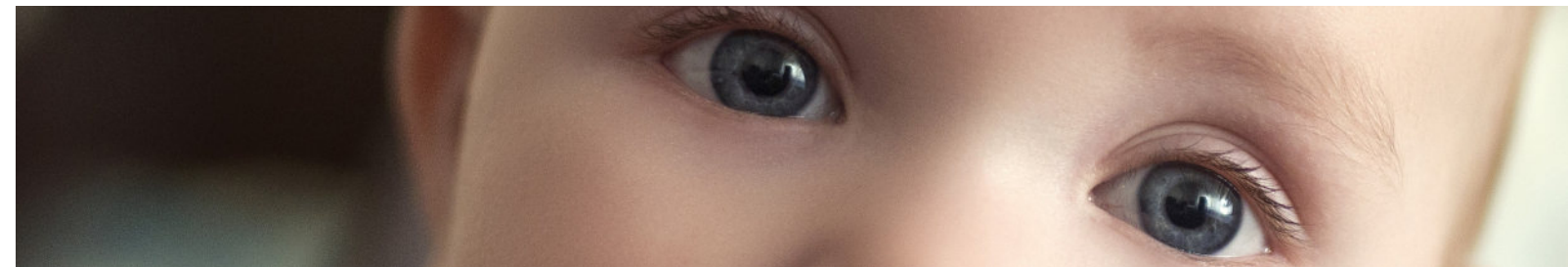
Access **advanced settings**
Analyse data thanks to the automatic help

Manage your patient database

Print your results or export them in PDF format

Very intuitive for screening, clinical or research use

Newborn Screening



BABYSCREEN

Device dedicated to the healthcare professionals who want to make objective hearing screenings, whether it is on newborns, young children or even adults.

It allows to realize **fast and automated** measures of ABR and TEOAE.
The launch of the measurement as well as the reading of the result, in the form of «pass», «refer» are simplified so that a non-qualified staff in otologie can realize and exploit the measures after a short training.

OTOACOUSTIC EMISSIONS MEASUREMENT

TEOAE auto

Quick screening of endocochlear hearing loss, clinical result available

EVOKED POTENTIALS MEASUREMENT

ABR auto (chirps and clicks)

Quick screening of retrocochlear hearing loss, connection of 3 or 4 electrodes

	Perform your measurement on the Echosoft software	Manage your patient database, consult and print result
ELIOS	✓	✓
BABYSCREEN	✗	✓
AUDIOSCHOOL	✓	✓
AUDIOSMART	✓	✓
ECHOSCAN	✓	✓
OTOWIN	On the OTOWIN dedicated software	On the OTOWIN dedicated software



The measurements are performed in ambulatory mode with the possibility of consulting them and managing the database on the Echosoft.

Thanks to the optimum size of the case, it can be **easily** integrated into maternity hospitals' workflow.

Its lithium battery ensures 5 hours of use from each charge. Moreover, its mini SD card allows to store more than 2000 tests.

The research department of ECHODIA has taken into account the needs of **neonatology** teams by creating a unique approach of integration of the weeks of gestation : PREMA AABR.

Audiometry

Air / Bone conduction / Speech

SCREENING RANGE

AUDIOSCHOOL



Touch screen audiometer for **school needs**
Enter and display the results directly on the touch screen (no need for paper)
Quick measurements performed on the device or the computer
Consult and manage database on the Echosoftware

Air conduction
125 to 8 000Hz, -10 to 100dB HL
manual or automatic mode

DIAGNOSTIC RANGE

AUDIOSMART



Portative **touch-screen** audiometer
Outpatient or PC-based mode with the Echosoftware
Options available (headset, insert...)

Air conduction
125 to 12 000Hz, -10 to 100dB HL
manual or automatic mode

Bone conduction
250 to 8 000Hz, -10 to 70dB HL
manual or automatic mode

Speech
Lists loaded on the device
manual or automatic mode

Health at work

Audiometry / Prevention of risks



OTOWIN

Portative **touch-screen** audiometer
High Isolation headset
Outpatient or PC-based mode with the Otowin software
Interface with medical softwares (GTD...)

Air conduction
125 to 12 000Hz, -10 to 100dB HL, manual or automatic mode

Bone conduction
250 to 8 000Hz, -10 to 70dB HL, manual or automatic mode



ECHOSCAN



Employees exposure to loud noises or ototoxic substances can lead to **hearing impairment** or even deafness. It is therefore necessary to **prevent risks** before it is too late.

The Echoscan®, a device complementary to pure tone audiometry, is capable of assessing peripheral auditory fatigue. The test is non-invasive, without active cooperation of the employee.





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ISO
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ECHOSCAN ECH001KP130
AUDIOSMART ECH001KP140
AUDIOSCHOOL ECH001KP150
OTOWIN ECH001KP160