



# 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: clinical and screening**  
*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 <sup>NEW</sup>**  
*Auditory Steady-State Response (computer-based only)*

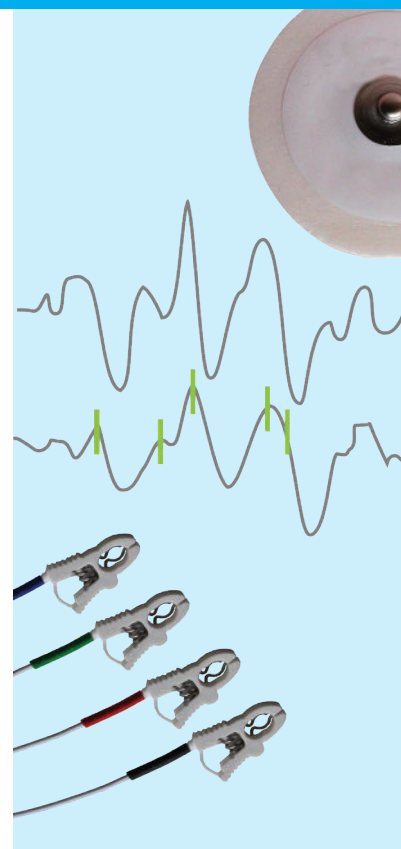
**e-ABR**  
*Electrical ABR (unique feature on the market)*

**oVEMP / cVEMP**  
*Myogenic Vestibular Evoked Potentials*

**DPMC - HYDROPS**  
*Cochlear Microphonic Potential Phase Shift*



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

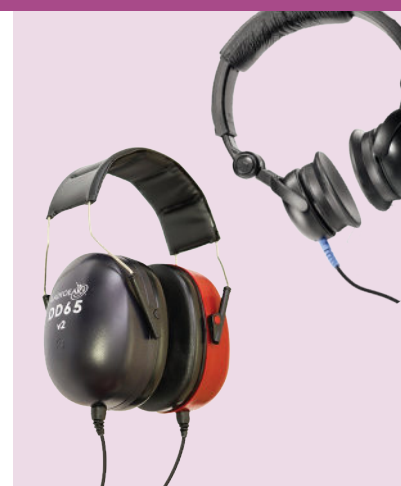


## AUDIOMETRY MEASUREMENTS

**Air conduction**  
*125 to 8 000Hz, -10 to 100dB HL, manual or automatic mode  
High frequency option: up to 16 000Hz*

**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

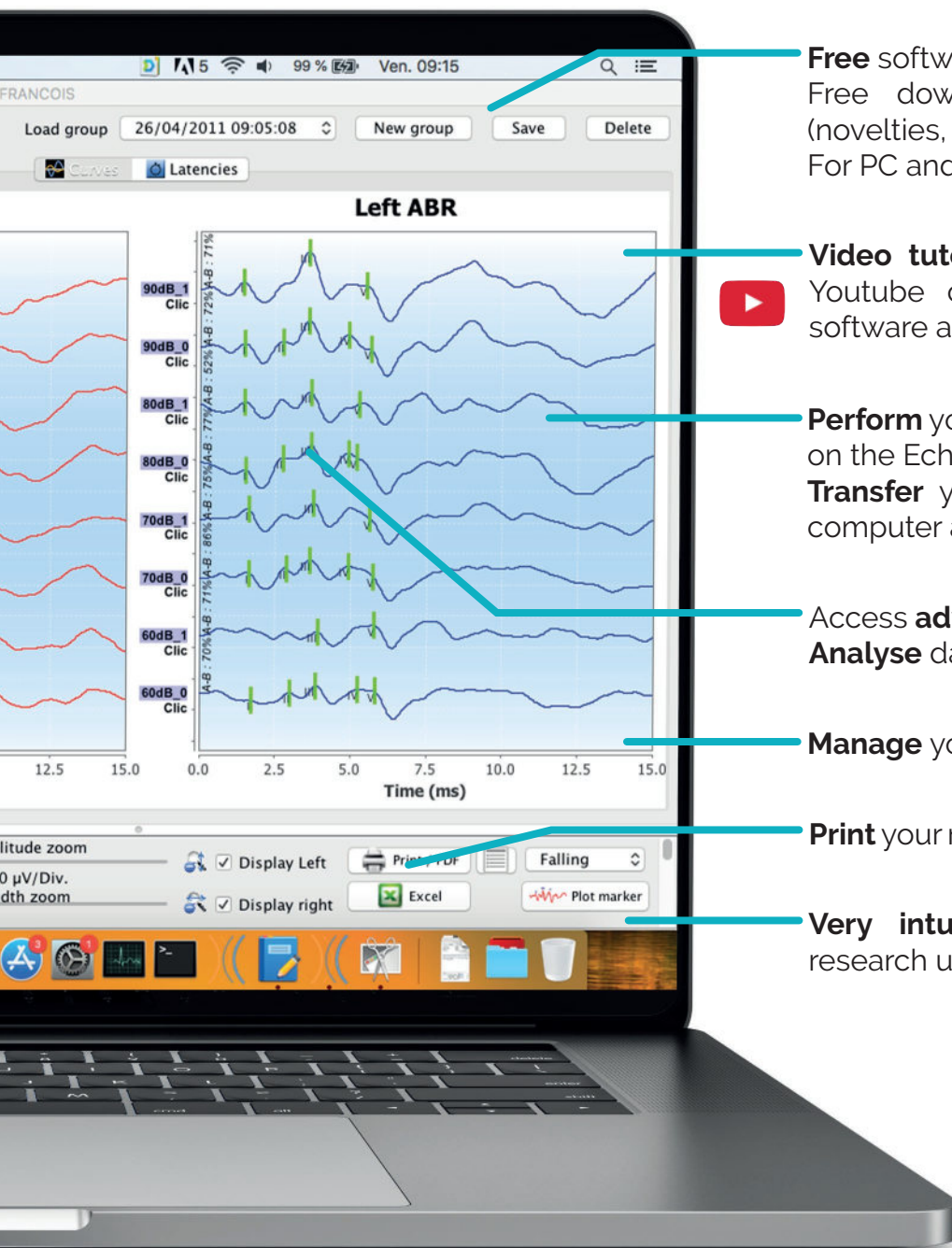
INTUITIVE

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 install the software and perform 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 DPOAE, TEOAE and ABR.  
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

**DPOAE and TEOAE auto**  
*Quick screening of endocochlear hearing loss*

#### 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**  
250 to 8 000Hz, -10 to 70dB HL  
manual or automatic mode

DIAGNOSTIC RANGE

### AUDIOSMART



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

**Air conduction**  
125 to 8 000Hz, -10 to 100dB HL  
manual or automatic mode  
High frequency option: up to 16 000Hz

**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  
Handheld or PC-based mode with the Otowin software  
Interface with medical softwares (GTD...)

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

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



### AUDIOBLUE

**Wireless** audiometer  
High Isolation headset  
**Bluetooth** technology

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







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ECHOSCAN ECH001KP130  
AUDIOSMART ECH001KP140  
AUDIOSCHOOL ECH001KP150  
OTOWIN ECH001KP160