

SmartScreener-Plus2

the baby and user-friendly

ABR and OAE

hearing screener

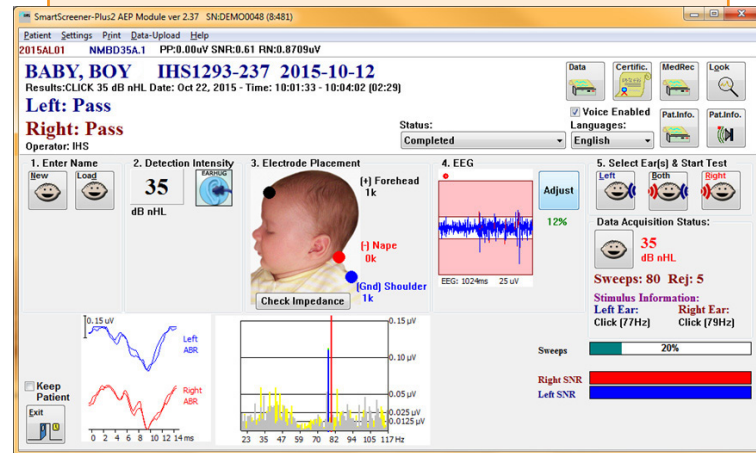


easy to use

SmartScreener-Plus2 is the most cost-effective, complete, and easy to use infant hearing screener. It is simple to operate, with step-by-step visual operator instructions. Friendly voice prompts and alerts guide you through the screening process.

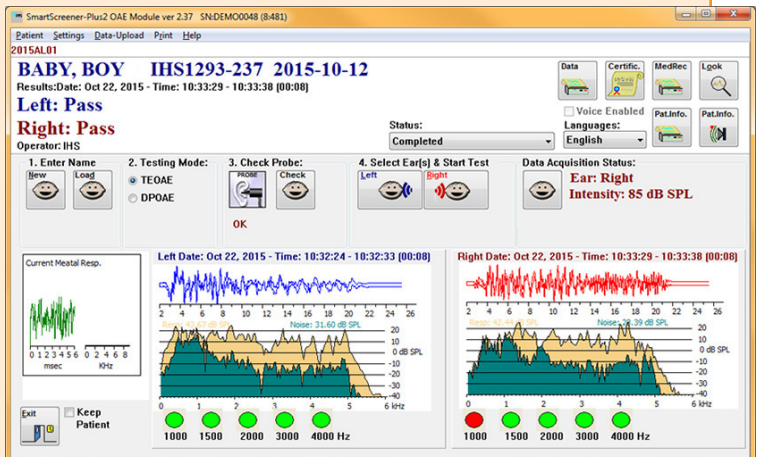
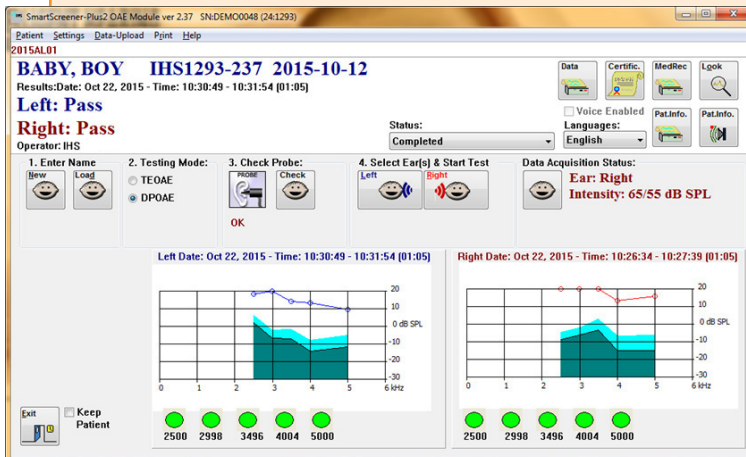
- Your choice of automated ABR, OAE, or both
- Automatic Pass or Refer results
- Fast, accurate, and reliable
- Screening results in as little as two minutes for ABR, and less than a minute for OAE
- Test patients of any age
- Setup different users with varying access levels
- Helpful graphics such as ABR waveform, DPGRAM, and frequency analysis results
- Integrated Data Back-Up utility allows for a seamless transfer of results to central databases for easy export to Hi*track, OZ-esp, and other databases
- Easily customize and print certificates, parent information letters, and medical records
- Quickly categorize and track pending and completed screenings
- Built-in System Maintenance Utility for easy system checks and automated AEP data analysis
- Documents & Videos Module can be setup as desired using user-supplied materials

ABR Screening



- Simultaneous testing of both ears
- Fast, mid-line ABR recording electrode setup
- ABR recording electrode placement and impedance values shown on the screen
- Password protected, user-selectable intensity level

DPOAE & TEOAE Screening



- Automatic probe-fit check to verify proper probe placement
- Ear canal response graph shows quality of probe placement when screening with TEOAE
- DPOAE and TEOAE screenings show passing status for each frequency band
- Password protected, customizable passing criteria and frequency selection

ergonomic ScreenerCart

Ideal for testing at the mother's bedside.

- Convenient height adjustment
- Ample work surface with raised edges and document cover
- Contoured front and rear handles for easy maneuverability
- Built-in bins to store all supplies and documentation
- Easy-to-disinfect keyboard with protective cover
- Integrated keyboard and mouse surface with a keyboard light; work without waking up the baby
- Smooth, non-porous surfaces for easy cleaning, infection control, and durability
- Battery operated: test even when you have no access to an outlet
- Notebook PC & system secured in key-locked compartment
- Coiled power cord for easy cable management
- Convenient wheel locking mechanism
- Built-in isolation transformer



baby-friendly EarHug

Designed with the baby's comfort in mind.

- Cost-effective disposable ear coupler
- Special flexible material adheres to the skin firmly but is gentle enough for comfortable removal
- Large adhesive surface keeps the EarHug from detaching during screening
- Comfortable design allows the baby to easily fall asleep even when lying on the EarHug



Specifications

ABR Modality (Aria & Solo)

High Pass: 30 Hz
Low Pass: 1500 Hz
Stimulus type: Click

DPOAE Modality (Aria only)

Stimulus: type:
4 or 5 user-defined frequency pairs
Default DP frequencies:
2000, 2800, 3500, 4200, 5000 Hz
Intensity levels L1/L2: 65/55 dB SPL

TEOAE Modality (Aria only)

Stimulus type: Click
Intensity: 85dB SPL

EP Amplifier

One channel
A/D Converter: 16-bit
Artifact rejection:
adjustable level
Line Frequency Notch Filter
(-12 dB/Oct) 50 or 60 Hz
Common Mode Rejection:
Aria: ≥ 103 dB @ 500 Hz
Solo: ≥ 115 dB @ 1 kHz
Noise Level (30-1500 Hz):
Aria: ≤ 0.27 μ V RMS Input
Solo: ≤ 0.20 μ V RMS Input
Impedance: > 10 MOhms

Transducers

ER-3 Insert Earphones:
Intensity: 0 - 132 dB SPL
Frequency Range: 125 Hz - 8 kHz
DD45 Headphones:
Intensity: 0- 120 dB SPL
Frequency Range: 125 Hz - 8 kHz
ER-10D OAE Probe (Aria only):
Intensity: 0 - 100 dB SPL
Frequency Range: 125 Hz - 8 kHz

Standards Compliance

Safety: IEC 60601-1 Class II, Type BF
EMC: IEC 60601-1-2
EP: IEC 60601-2-40

Operating Environment

Portable Equipment
Indoor use
Operating temperature: 15 °C - 35 °C
Relative humidity:
15% - 90% (Non-Condensing)

Storage & Transport

Temperature: 0 °C - 50 °C

Power Requirements

USB Powered:
Aria: +5V DC, 1.5 A, 7.5 W
Solo: +5V DC, 0.65 A, 3.25 W
USB ports: 1 Port that meeting the
power requirements stated above

Computer Requirements

Windows 10 or Windows 11
Minimum 8 GB RAM
Minimum 5 GB hard drive space
Minimum XGA display
(1024x768 screen resolution)
Mouse or other pointing device
USB Ports as per power req.
Grounded (3-prong) power supply
BIOS "Boot on AC power"
(required)
Removable media, network drive, or
secure Internet storage site for data
backup (recommended)
Printer (optional)



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