

Baby ISAO™

Intelligent Simulator for AEP and OAE

- Generates biosignals that can be recorded using any AEP and/or OAE equipment:
 - Transient Auditory Evoked Responses, such as ABR, using single or dual ear testing.
 - Simulation of response to click or pure tones, using rates of up to 95 presentations per second.
 - Single frequency ASSR using single or dual ear testing.
 - Transient Evoked OAE.
 - Distortion Product OAE.
- Selection of various patient profiles, patient states and background noise conditions.
- Use a parametric model to quickly shape the generated responses or the response library to finely tune the hearing profile. Included image extraction tool can help replicate waveforms from images.
- Simulate any combination of impedance problems with specific, or all electrode positions.
- Use any type of surface electrodes.
- Natural interface allows the use of inserts, circum-aural couplers, EarHugs™, and OAE probes.
- Single channel midline or single channel ipsilateral montage

The Benefits of Simulation

- Training tool for students, clinical and hearing screening personnel in the use of any brand of AEP or OAE equipment.
- Perform equipment testing and validation for performance measures, or for sensitivity and specificity analysis.
- Repeatable testing and noise conditions, including EMG, line noise, and different levels of EEG activity.
- Replicate failure conditions during training exercises.

Simulator Characteristics

- Includes Baby Isao™ doll, simulator box, and software.
- Stainless steel electrode connection points.
- Durable stainless steel ear canal ports.
- Generates audible crying sounds.
- Approximately 15 x 6.5 x 4 inches (38 x 16 x 10 cm)
- 4 inch (10 cm) head diameter.
- Anatomical dimensions approximate a typical newborn.

Computer Requirements

- Windows® 10 or Windows® 11 operating system.
- Minimum 4GB RAM.
- Minimum 1GB available hard drive space.
- Sound card output port.
- Two available, adjacent, USB ports.
- Minimum HD display (1360x786 screen resolution).
- Grounded, 3-prong power supply, Compliant with IEC 60950

