

The **ALGO 3i** newborn hearing screener combines the AABR<sup>®</sup> technology you trust in a hand-held screener.

### ALGO 3i system features:

Natus AABR<sup>®</sup> technology – the gold standard in newborn hearing screening, with clinically proven sensitivity and specificity.

#### Fast and simple operation

- The ALGO 3i device screens both ears simultaneously
- Unique SpeedScreen™ function allows you to conduct a test while entering patient information
- SmartHelp system offers helpful tips targeted to your needs
- Colored, graphical displays guide you easily through the screening process
- Fully automated, objective pass/refer results do not require interpretation
- Completely standardized, pre-set screening parameters provide consistent, objective results

#### Maximum adaptability

- Screen in a variety of settings with the versatile ALGO 3i SoftClip™ attachment or the pole mount
- Available in more than a dozen languages

#### Wireless data transfer and data management

- Wireless printing of screening results
- Wireless transfer of patient screening data to a PC
- Exports to a variety of 3rd-party data management systems



### Includes

**audble™ lite**  
Natus Hearing Screening Data Manager

Facility-based data management for use with most Natus Hearing Screeners:\*

- Combines patient and test information from multiple Natus Hearing Screening devices into one desktop facility-based data management program
- Tightly integrated with Microsoft® Word (2007 or 2010) for creation and generation of letters, labels and reports
- Enhanced conflict resolution to assist with identifying demographic data entry errors

\*devices that provide demographic data



## Taking care of babies as if they were our own...

### Setting the industry standard

Natus is the premier company to help establish quality newborn hearing screening programs.

- Over 24 years of experience in developing devices designed specifically for newborn hearing screening
- More than 30 million babies screened with ALGO devices in over 55 countries

### Validated in controlled, randomized, multi-center clinical studies

- Over 14 peer-reviewed, published articles to support the ALGO screener's superior accuracy and reliability<sup>1</sup>
  - Highest clinically proven sensitivity (>99%)<sup>1</sup> – minimizing false pass results
  - Highest clinically proven specificity (>96%)<sup>1</sup> – minimizing false refer results
- Clinical data collected on over 150,000 infants to validate product performance<sup>1</sup>

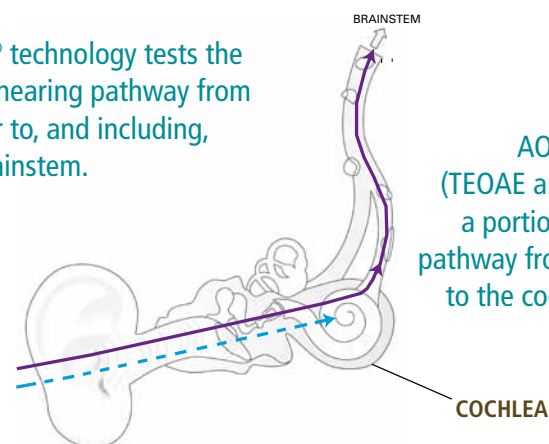
### Achieves the lowest clinically proven refer rates<sup>1</sup>

- Maximizing the return on your investment
  - Reduces the number of repeat tests
  - Eliminates unnecessary infant follow-up and tracking
  - Minimizes staff and workflow inefficiencies



Provides screening of the entire hearing pathway and identifies infants with auditory neuropathy.

AABR® technology tests the entire hearing pathway from the ear to, and including, the brainstem.



— = AABR® Technology  
- - = AOAE® Technology

AOAE™ technology (TEOAE and DPOAE) tests a portion of the hearing pathway from the outer ear to the cochlea (inner ear)

## Why do so many experts trust Natus AABR technology?

### The gold standard in hearing screening technology

With the ALGO system, you get the best in newborn hearing screening technology, plus the best in program support.

- Inservice materials and support
- Extensively trained technical support
- Educational materials:
  - Program implementation handbooks help you start your program
  - Continuous quality improvement tools help you maintain an exemplary program
  - Parent education materials encourage maximum awareness and involvement

### Provides fully automated screening parameters and screening results

- Patented, proprietary binomial statistical detection tests the probability of pure EEG noise vs. EEG noise + ABR using a template matching algorithm based on normal infant ABR response. Better than a 99.9% level of statistical confidence is required to earn a Pass.
- All results are based on the same objective, standardized criteria:
  - Automatic pass/refer results that require no interpretation
  - Preset screening parameters that cannot be adjusted
- Minimizes the risk of user error and test variability
- Documented performance in independent peer reviewed clinical program reports<sup>1</sup>

### The ALGO 3i Newborn Hearing Screener system includes:

- ALGO 3i screener
- Carrying case (back pack)
- Sensor cable
- Earphone cable (ATA)
- Label printer (optional)
- Roll stand mount
- Battery pack and charger
- Instructional materials (on CD)
- ALGO check kit
- Data Utility Software (DUS) and data export adapter
- audible Lite facility-based hearing screening data management



## Specifications

### Nominal dimensions

Screener: 7.9" H x 3.8" W x 2.5" D  
20.2 x 9.58 x 6.33 cm

### Nominal weight

Screener: 2.0 lbs (0.93 kg)  
(including battery and cable)

### Sweep rates

- 37 clicks/second (nominal) or
- 34 clicks/second (nominal) alternating

### Power supply

**Battery:** 7.4V 1800mAh, Li Ion

**Full charge operation:** minimum 4 hours  
run time

**Recharge time:** ≈4 hours

**Battery charger:** Input: 100-240V~, 50-60 Hz  
Output: 12V === at 3.3A

### Device electrical ratings

12V === at 1A

### Operating temperature

41° F (5° C) - 100° F (38° C)

### Storage temperature

-22° F (-30° C) - 131° F (55° C)

### Humidity

5-90% non-condensing

### Safety and compliance standards

- UL2601-1
- CAN/CSA-C22.2 601-1
- EN60601-1
- EN60601-1-2

### Classifications

- Type BF applied part
- Ordinary equipment for protecting against ingress of water (IPX0)
- Not suitable for use in the presence of flammable anaesthetic mixture with air, oxygen or nitrous oxide
- Continuous operation

### Operating altitude

Sea level: 6000 feet (1820 meters)

## The company and technology of choice ...

*"We chose ALGO AABR technology for our screening program, because it was clinically proven to achieve the lowest refer rates. Because the ALGO screener minimizes the number of false-refers generated within our program, we don't have to worry about causing unnecessary parental anxiety."*

– Ichiro Fujita, M.D., Ph.D, Department of Pediatrics, Saga Medical School, Japan

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1 Reference on file at Natus

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