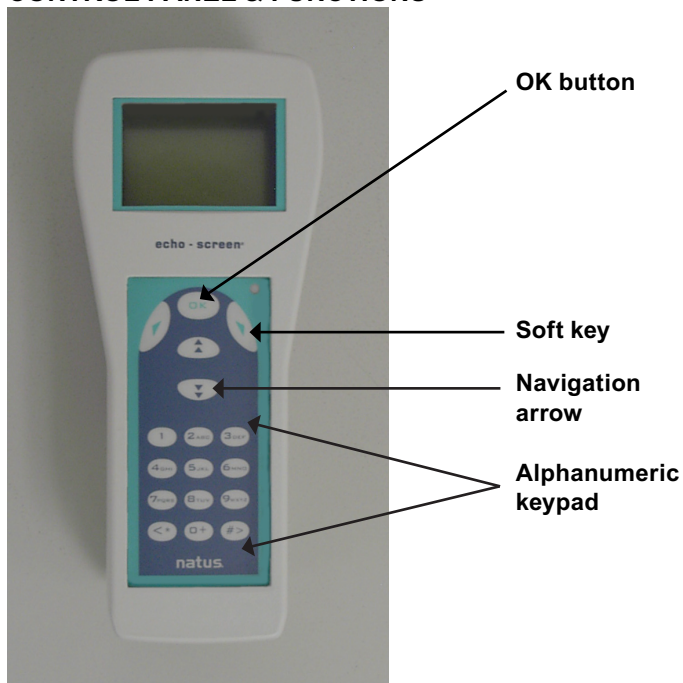


CONTROL PANEL & FUNCTIONS



Navigation:

- **OK button** turns on the device and activates a selection.
- **Soft key** ▶ turns off the device from the main menu display.
- **Navigation arrows** ▲ and ▼ scroll through menu selections. Selected items are highlighted black.
- **Soft keys** ◀ and ▶ activate the functions that appear at the bottom line of the LCD display.

Data Entry:

- Use the **alphanumeric keypad** to enter numbers and letters.
- Use the **< and > arrow keys** on the keypad to move the cursor backwards and forwards.

SETUP OF THE DEVICE

Verify that the ABR notch filter and stimulus level are set according to your facility's protocol. (Select "Options" → "ABR Configuration")

PREPARATION FOR TESTING

- 1) Connect Ear Probe Cable to Echo-Screen Ear Probe socket (for use with ear tips)

OR

Connect Y Probe Cable to Echo-Screen Ear Probe socket (for use with Echo Couplers)

- 2) Use Test Cavity to conduct probe test prior to screening (Select "Options" → "Self test" → "Probe test")

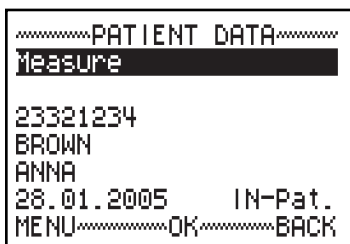
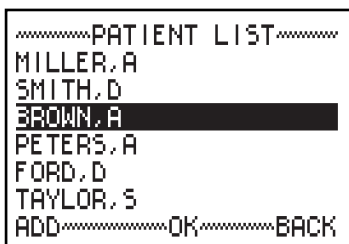
Note: One probe test per day is recommended prior to screening patients.

- 3) Connect ABR cable to Echo-Screen ABR electrode socket.

AABR SCREENING PROCEDURE

I. Enter Patient Information

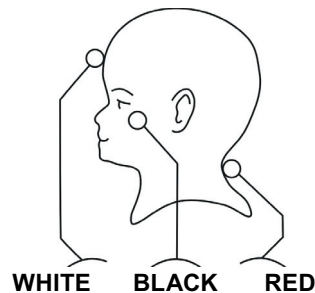
- 1) Select "**Measure**" from **Main Menu** display and press **OK** to continue.
- 2) From the **Patient List** display, press ◀ (ADD) to enter information for a new patient or select the name of an existing patient (see left Figure below).
 - a. Enter Patient ID, Name, Date of Birth, and Patient Status (Enter "0" to select in-patient). Press **OK** to confirm each entry.
- 3) Review information from **Patient Data** display and press **OK** to continue (See right Figure below).



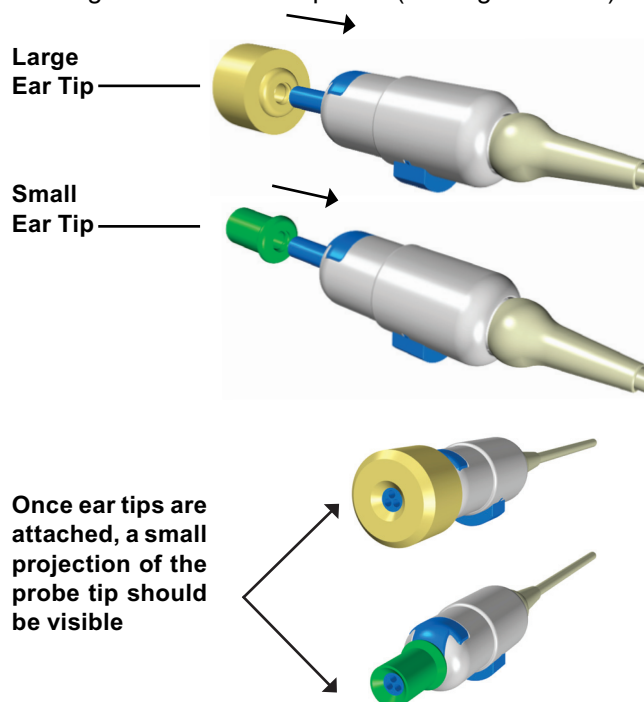
AABR SCREENING PROCEDURE (CONT'D)

II. Prepare patient and attach supplies

- 1) Attach electrodes to the patient:
 - WHITE clip: VERTEX** (high forehead)
 - BLACK clip: COMMON** (cheek)
 - RED clip: NAPE** (centered, back of neck)



- 2) Fit the Probe (Using Ear Probe Cable)
 - a. Check the patient's ear canal and select the appropriate ear tip size.
 - b. Push the ear tip onto the probe tip until it sits against the probe. Orient large ear tips so that their raised side faces the probe. Orient small ear tips so that their enlarged side faces the probe (see Figure below).



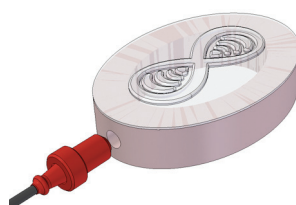
- c. Gently insert probe into patient's ear canal. Ensure a secure fit.



OR

Apply Echo Couplers (Using Y Probe Cable)

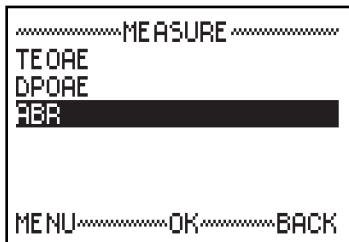
- a. Connect Y Probe cable to Echo Coupler (see left Figure below)
- b. Remove Echo Couplers with attached cable from liner card
- c. Place Echo Coupler over baby's ear (see right Figure below)
 - **RED** Y cable adapter: **RIGHT** ear
 - **BLUE** Y cable adapter: **LEFT** ear



AABR Screening Procedure (cont'd)

III. Start Screening/Monitor Progress

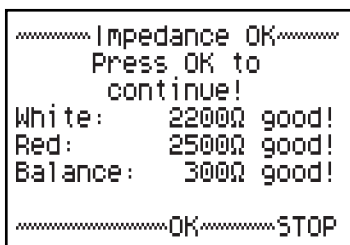
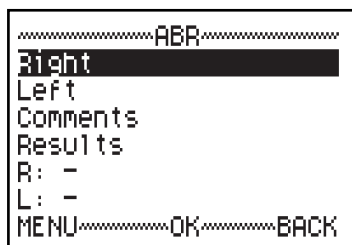
- 1) Select "ABR" from **Measure** display and press **OK** to continue (See Figure below).



a. AABR testing with Ear Probe Cable (ear tips):

- Select "Comments" to enter additional information regarding the screen and press **OK** (See left Figure below). Add a new comment or select a default comment.
- Select the ear to be tested (Right or Left) and press **OK** to start the test (See left Figure below).

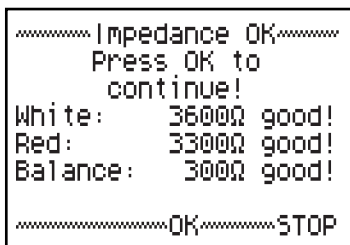
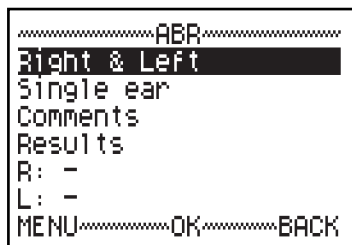
Note: An impedance check is automatically conducted prior to testing (See right Figure below). Press **OK** to begin testing.



b. AABR testing with Y Probe Cable (Echo Couplers):

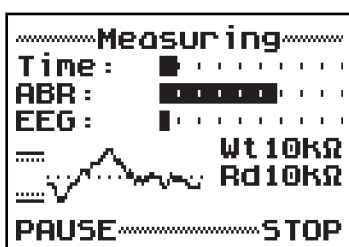
- Select "Comments" to enter additional information regarding the screen and press **OK** (See left Figure below). Add a new comment or select a default comment.
- Select method for testing ears (Right & Left Sequential or Single ear testing) and press **OK** to continue. (See left Figure below).

Note: An impedance check is automatically conducted prior to testing (See right Figure below). Press **OK** to begin testing.

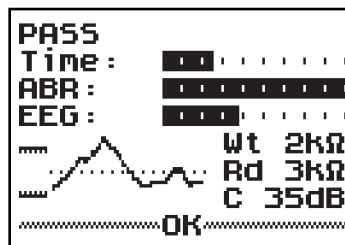


NOTE: Vertex (White) and Nape (Red) impedances must be below 12,000 Ohms for testing to proceed. Balance impedance must be below 4,000 Ohms for testing to proceed.

- 2) As testing proceeds, the status is indicated on the display (See Figure below).
 - a. Time = screen duration
ABR = probability of detecting an ABR signal
EEG = amplitude of total registered potential.
 - b. Press **←** to pause the test or **→** to cancel the test.



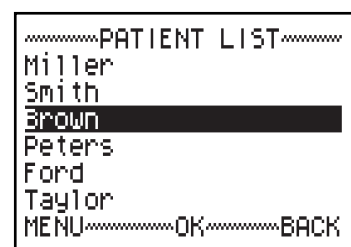
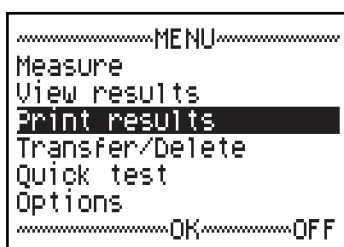
- 3) At the completion of the test, a PASS or REFER result automatically displays (See Figure below).



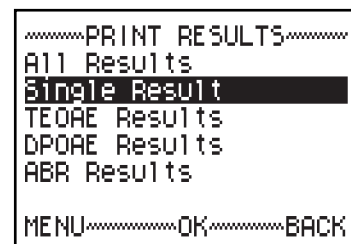
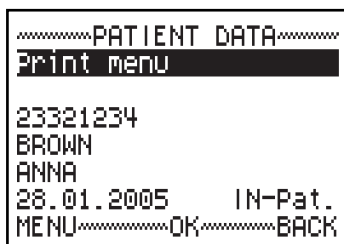
- a. Press **OK** to test another ear or to view, print, and transfer results.

PRINTING RESULTS VIA INFRARED (WIRELESS)

- 1) Select "Print results" from the **Main Menu** display (See left Figure below).
- 2) From the **Patient List** display, select the patient whose results are to be printed (See right Figure below). Press **OK** to continue.



- 3) Select "Print menu" from the **Patient Data** display (See left Figure below). Press **OK** to continue.
- 4) Turn on the Seiko label printer.
- 5) Point the printer's IR dongle toward the IR window of Echo-Screen device (6 inches/15 cm distance).
- 6) Select the type of printout from the **Print Results** menu and press **OK** to continue. (See right Figure below).



- 7) Select the result(s) to be printed from the **Results** menu and press **OK** to print.

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