

7000 QUICK REFERENCE CARDS

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7000 ANSI 96

1. Press [F5] from the Opening screen to enter the ANSI 96 screen.
2. Press [F2] to select the Aid Type. Use up-down arrows to choose between AGC, Adaptive AGC, and Linear. Use right arrow to complete selection.
3. Use [F5] to choose whether or not to test the telecoil function of the aid.
4. Press [MENU] to open local menu and use the arrow keys to make any desired selections. Press [EXIT] to close local menu.
5. Level the sound chamber, if necessary, by placing the microphone at the reference point in the chamber by itself, closing the lid, and pressing [LEVEL].
6. Set the hearing aid to full-on gain, attach it to the appropriate coupler, and position it in the sound chamber at the reference point.
7. Press [START] to start the test sequence.
8. If prompted at the bottom of the screen, turn the volume control of the hearing aid down so that the "REFTG Measured" is within 1 dB of the "REFTG Target" value. Press [START] to continue the test sequence.
9. If you choose to test the telecoil in step 3, see the ANSI 96 Telecoil Quick Reference card for further instructions.

TEST COMPLETE

7000 IEC

1. Press [F6] from the Opening screen to enter the ANSI 96 screen.
2. Press [F2] to select the Aid Type. Use up-down arrows to choose between AGC, Adaptive AGC, and Linear. Use right arrow to complete selection.
3. Use [F4] to select reference freq.
4. Use [F5] to select distortion freq.
5. Press [MENU] to open local menu and use the arrow keys to make any desired selections. Press [EXIT] to close local menu.
6. Level the sound chamber, if necessary, by placing the microphone at the reference point in the chamber by itself, closing the lid, and pressing [LEVEL].
7. Set the hearing aid to full-on gain, attach it to the appropriate coupler, and position it in the sound chamber at the reference point.
8. Press [START] to start the test sequence.
9. When prompted at the bottom of the screen, turn the volume control of the hearing aid down so that the "Reference Test Gain Measured" is within 1 dB of the "Reference Test Gain Target" value. Press [START] to continue the test sequence.

TEST COMPLETE

7000 Coupler Multicurve

1. Press [F1] from the Opening screen to enter the Coupler Multicurve screen.
2. Level the sound chamber, if necessary, by placing the coupler microphone into the sound chamber by itself at the reference point, closing the lid of the chamber, and pressing [LEVEL].
3. Attach the hearing aid to the appropriate coupler, insert the coupler microphone, place at the reference point in the chamber, and close the lid.
4. Use [F1] to select the desired ear.
5. Press [F5] to select the source type. Use the up-down arrows to choose the source type and the right arrow to complete the selection.
6. Use the up-down arrows to change the source amplitude.
7. Press [MENU] to open the local menu and use the arrow keys to make any desired changes. Press [EXIT] to close the local menu.
8. Press [START] to start the measurement. If you are using Composite, Digital Speech, or Tone Fast, press [STOP] to stop the measurement. Otherwise the test will automatically stop when finished.
9. To measure another curve, press [F2] and use the up-down arrows to select CRV 2. Use the right arrow to complete the selection.
10. Repeat steps 5-8 to take another measurement. Up to ten curves can be displayed at a time in the Coupler Multicurve screen.

TEST COMPLETE

7000 Real-Ear Insertion Gain

1. Press [F2] from the Opening screen to enter the Real-Ear Navigation screen.
2. Press [F1] to enter the Audiogram Entry screen.
3. Use [F1] to select ear.
4. Use [F2] to select HTL.
5. Use up-down arrows to select frequency. Use right-left arrows to input amplitudes.
6. Repeat steps 3-5 for other ear, if desired.
7. Press [EXIT] to return to the Real-Ear Navigation screen.
8. Press [F3] to enter the Real-Ear Insertion Gain screen.
9. Position patient 12 in (30 cm) from speaker at 45 degree angle.
10. Place wedge ear hook on patient.
11. Place reference microphone on Velcro platform above ear and probe tube in ear.
12. Press [LEVEL] to level the sound field.
13. Press [F2]. Use up arrow to choose REUR 1 and right arrow to complete selection.
14. Press [START] to start the unaided measurement. Press [STOP] when the measurement has stabilized.
15. Place hearing aid in ear.

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7000 Real-Ear Insertion Gain (continued)

16. Use [F2] to select REAR 2.
17. Use [F5] to select source type. When in doubt, select DigSpeech.
18. Use up-down arrows to set source type to 50 dB SPL.
19. Press [START] to start measurement. If you are using Composite, DigSpeech, or Tone Fast, press [STOP] to stop the measurement.
20. Use [F2] to select REAR 3 and repeat steps 17-19 to measure a curve at 65 dB SPL.
21. Use [F2] to select REAR 4 and repeat steps 17-19 to measure a curve at 80 dB SPL.
22. Use [F2] to select REAR 5 and repeat steps 17-19 to measure a curve at 90 dB SPL. For this measurement, use a source type of Tone Short.
23. Use [F1] to change ears and repeat steps 9-22, if desired.

TEST COMPLETE

7000 Real-Ear SPL

1. Press [F2] from the Opening screen to enter the Real-Ear Navigation screen.
2. Press [F1] to enter the Audiogram Entry screen.
3. Use [F1] to select ear.
4. Use [F2] to select HTL.
5. Use up-down arrows to select frequency. Use right-left arrows to input amplitudes.
6. Use [F3] to predict UCLs or use [F2] to select UCL and use arrow keys to input UCLs.
7. Repeat steps 3-6 for other ear, if desired.
8. Press [EXIT] to return to the Real-Ear Navigation screen.
9. Press [F4] to enter the Real-Ear SPL screen.
10. Position patient 12 in (30 cm) from speaker at 45 degree angle.
11. Place wedge ear hook on patient.
12. Place reference microphone on Velcro platform above ear and probe tube in ear.
13. Press [LEVEL] to level the sound field.
14. Press [F2]. Use up arrow to choose REUR 1 and right arrow to complete selection.
15. Press [START] to start the unaided measurement. Press [STOP] when the measurement has stabilized.

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7000 Real-Ear SPL (continued)

16. Place hearing aid in ear.
17. Use [F2] to select REAR 2.
18. Use [F5] to select source type. When in doubt, select DigSpeech.
19. Use up-down arrows to set source level to 50 dB SPL.
20. Press [START] to start measurement. If you are using Composite, DigSpeech, or Tone Fast, press [STOP] to stop the measurement.
21. Use [F2] to select REAR 3 and repeat steps 18-20 to measure a curve at 65 dB SPL.
22. Use [F2] to select REAR 4 and repeat steps 18-20 to measure a curve at 80 dB SPL.
23. Use [F2] to select REAR 5 and repeat steps 18-20 to measure a curve at 90 dB SPL. For this measurement, use a source type of Tone Short.
24. Use [F1] to change ears and repeat steps 10-23, if desired.

TEST COMPLETE

7000 Coupler Auto Test—Program

1. Press [F1] from Opening screen to enter Coupler Multicurve screen.
2. Press [F6]. Use down arrow to select Program. Press right arrow to complete selection.
3. Use [F1] to select ear.
4. Use [F2] to select CRV 1. (Up-down to make selection followed by right arrow.)
5. Use [F5] to select source type.
6. Use up-down arrows to select source amplitude.
7. Press [MENU] and use arrow keys to make any other changes. Press [EXIT] to close menu.
8. Press [START] to go to next curve –or– press [STOP] to go to next curve and add a pause in Auto Test.
9. Repeat steps 4-8. Continue in this manner for as many curves as you want to add to the Auto Test.
10. Press [STOP] after programming last desired curve in Auto Test.
11. Use [F6] to select Fully Automatic.
12. Use [F2] to select CRV 1.
13. Press [START] to run the Auto Test. The analyzer will stop measuring curves only when reaching a programmed pause.
14. Use [F6] to Save Group 1, 2, or 3 to permanently save Auto Test program, if desired.

7000 Coupler Auto Test— Running a saved program

1. Press [F1] from Opening screen to enter Coupler Multicurve screen.
2. Use [F6] to Load Group 1, 2, or 3: Use up-down arrows to select Load Group 1, 2, or 3 and then press right arrow.
3. Use [F6] to select Fully Automatic.
4. Use [F2] to select CRV 1.
5. Press [START] to run the Auto Test. The analyzer will stop measuring curves only when reaching a programmed pause.

FONIX 7000 ANSI '96 Telecoil

Important Note: Please read the instructions on the back of this card before proceeding.

If you have selected “On Telecoil” with [F5] in the ANSI 96 screen, do the following when the ANSI '96 sequence stops for the telecoil measurement.



1. Open the lid of the sound chamber.
2. Switch the aid to telecoil mode. Do not alter the gain control.
3. Position the aid where there is the least magnetic noise*. To guide you, a continuous reading of the output is on the screen.
4. Once you have determined the best position, plug the telewand into the side of the sound chamber, just below where the sound chamber connects to the Frye box.
5. Now relative to the aid, bring the telewand into position as if it were the earpiece on a phone. Keeping the telewand as parallel as possible to the faceplate of an ITE aid or as flat as possible against the body of a BTE aid, move it around until you find the position that returns the most gain. Again, use the continuous reading on the screen to guide you.
6. Press [START] to measure the SPLITS curve and STS.
7. Return the aid to the normal mode, and press [START].

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Determining a proper position, one with little magnetic noise, is vital to effective telecoil testing.

Test the area where the telecoil measurement is to be made for magnetic fields before beginning the ANSI '96 test sequence.

- a. Connect the hearing aid to a 2 cc coupler and set the aid for “T” with the gain full on. Do not place the measurement microphone into the coupler. Rather, use the coupler as a megaphone so that you can hear its output.
- b. Place the aid in the physical location where the test is to occur.
- c. Listen to the output from the aid. Do you hear a buzz, indicating that the area has magnetic noise?
- d. When the area has been tested and found to be free of undesirable levels of unwanted magnetic fields, then the aid can be tested for magnetic pickup sensitivity using the ANSI '96 sequence. It may be necessary switch off nearby computer monitors or overhead lights during the telecoil test.