

Otoacoustic Emissions (OAE/ Erosan) Hearing Screening Equipment

1. Remove Handheld instrument, stand, remote probe, set of ear tips, Printer and power cord from case.
2. Plug the printer into an outlet. It can be used without being plugged in.
3. Press the left circle on the printer until a green light comes on and it beeps.
4. Plug the remote probe connector into the top of the handpiece making sure holes and pins are aligned. A yellow light will come on briefly.
5. Firmly place an ear tip onto the probe tip. Be sure it is pushed all the way down. If there is no clear probe tip on the device, put one on, seating it all the way into the probe. Then place the ear tip on.
6. Turn on the OAE handpiece by pressing the down button. If low battery, plug the charger into the bottom of the unit to charge.
7. Test the printer by toggling up one time on the handpiece. Toggle right or left when it reads "connect". The printer should run a test print if stored results are available. If it does not, and does not read "no stored results" on the handset, turn the printer off for several seconds and turn it on. The blue light on the printer should be flashing for connection. Repeat steps 2 & 3. (see below)
8. Advise the child that you are going to place the probe into the outer ear like when the pediatrician looks in their ear, and that they will feel it, but it will not hurt.
9. Insert the remote probe into one ear by pulling up and slightly back on the top of the ear (pinna). The probe goes in about $\frac{1}{2}$ to $\frac{3}{4}$ inch. Rotate the probe 90 degrees to create a good seal.
10. Clip the remote probe to the child's shirt so that it does not pull out of the ear.
11. On the handheld unit, toggle left or right depending on which ear is being tested.
12. The test will begin automatically. The instrument will test for noise and seal. If these are in the desired range, the instrument will briefly show a Cal Test and then begin the hearing measurements. The child must be quiet during this test. If a good seal is not obtained, the green bar will not appear and the test will not begin. Remove and reinsert the ear tip into the ear, remembering to lift up and back on the outer ear and rotate the ear tip 90 degrees. If a good seal is not obtained, try a different size tip until the seal is adequate.
13. If the noise indicator remains, check the room for noise and check the seal. You may need a different ear tip.
14. If you can't get a good seal or the child has PE tubes, you can bypass the calibration test by holding down the left or right toggle for 3 or more seconds (until the green "test" light goes out). The OAE will begin testing.
15. Keep the child quiet with little movement of the head and no talking by the child until the test is completed.
16. The OAE will indicate PASS or REFER for this ear. If REFER, reposition the probe and repeat the test for confirmation.
17. Move the probe to the other ear and repeat steps 8-12. If a tip becomes lodged in the child's ear, do not attempt to use any instruments to remove it. Refer the child to the preschool director.
18. When both ears have been screened, the printer should print the report automatically. If the printer does not print, toggle up 2 times until the "connect" screen is visible. Toggle right or left to begin printing. check the thermal paper. (see below). Check that the printer is connected to an outlet, and the green light is on. If it does not print, turn it off for several seconds and then back on. Repeat step 7. If the printer still does not print, the results that were shown on the screen can be indicated on the Child Information and Results Form and Consent Form.
19. Attach the printout to the Child Information and Results Form #1. Staple it on the right side of the page toward the top on the back.
20. Mark the Child Information and Results Form #1 and the Consent Form #2 at the bottom under Hearing as Pass or Refer for each ear.

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Turning on the Welch Allyn Thermal Printer

1. Power on: Push the POWER BUTTON for 2 seconds to power on or off. One short beep will be heard at Power on and 2 beeps at power off. Green Power Indicator will be lit if printer is powered on by the battery. If it is not, plug in the charger.
2. Self-test: While the printer is powered OFF, press and hold Paper Feed button, then press and hold Power Button simultaneously. When a beep is heard after approximately 3 seconds, release both buttons, and a test page will print with information on current status and character samples.

To Load Thermal Paper, place the roll in with paper feeding under the roll. Guide paper through the slot between the base and cover. Press the Paper Feed button.

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