

RECD on the FONIX 7000

The real-ear to coupler difference (RECD) is a measurement that can be performed when you have the Real-Ear Option (Quik Probe). There are two parts to the RECD: a coupler measurement and a real-ear measurement. The

coupler measurement is considered a calibration procedure and needs to be done only when the probe and reference microphones are calibrated. The RECD measurement is done with a 50-ohm insert earphone.

Coupler Measurement

1. Insert the earphone connector into the 1/4 inch “Earphone” jack on the back of the 7000 Test System.
2. Plug the other end of the earphone into the tubing of the ear level adapter attached to an HA-2 coupler. See *Figure A*.



Figure A: Insert earphone attached to coupler

3. Attach a new probe tube to the probe microphone.
4. Thread the probe tube through the edged side of the probe microphone adapter so that the probe tube sticks out a couple of millimeters from the other end of the adapter. See *Figure B*.



Figure B: Probe tube in probe mic adapter

5. Secure the probe tube in place by putting a dab of Fun-Tak on the edged end of the adapter.
6. Insert the adapter into the HA-2 coupler.
7. Press [MENU] from the Opening screen to open the Setup Menu.
8. Press [F4] to perform the measurement. The screen will briefly display that the measurement is being taken and saved. No further action is necessary.
9. Press [EXIT] to return to the Opening screen.

Real-ear Measurement

1. Insert the 50 ohm insert earphone into the jack on the back of the 7000 test system labeled "EAR-PHONE."
2. Insert the probe microphone into the client's ear. See *Figure C*.

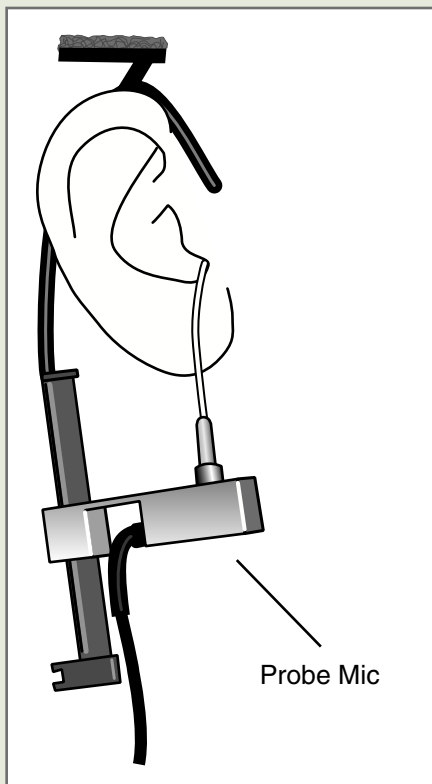


Figure C: Insert probe microphone

3. Insert the foam eartip connected to the insert earphone into the client's ear, or attach the earphone directly to the client's earmold, and insert the earmold into the client's ear. See *Figure D*.

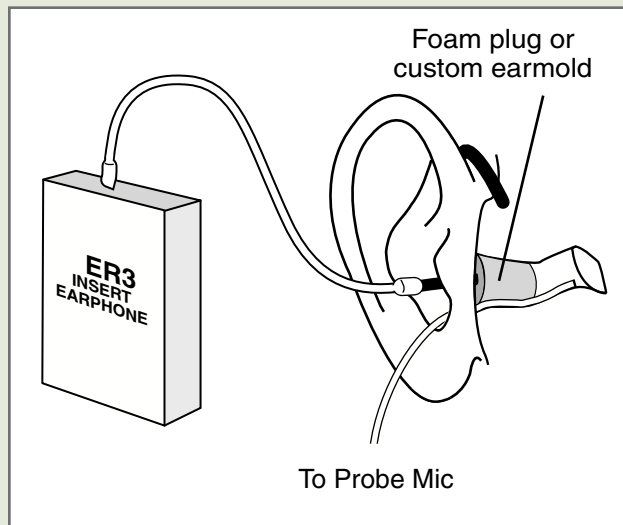


Figure D: Insert foam eartip connected to insert microphone

4. Press [F2] from the Opening screen to enter the Real-Ear Navigation screen.
5. Press [F1] from the Real-Ear Navigation screen to enter the Audiogram Entry screen.
6. Press [MENU] from the Audiogram Entry screen to enter the local menu.
7. Use [v, ^] to select RECD Mode under Misc, and use [<, >] to choose Custom Measured.
8. Use [v, ^] to select aud. Transducer and use [<, >] to choose ER3.
9. Press [EXIT] to close the menu.
10. Use [F2] in the Audiogram Entry screen to select RECD.
11. Press [START] to take the measurement. The results will appear in both graphical and numeric format.



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