

Model AM 232
Serial No's 20012135

How To Conduct a Threshold Audiogram

Step 1

Preparing Subject for Test

- Put subject at ease.
- Insure that subject understands task.
- Use these instructions:

"I am going to place these earphones over your ears. You will hear a variety of tones—some high, some low, some loud, some very soft. Whenever you hear, or think you hear one of those sounds, raise your hand. Lower your hand when you no longer hear the sound.

Remember that though some of the tones will be easy to hear, others will be very faint. Therefore, you should listen very carefully and raise your hand whenever you think you hear the tone."

Step 2

Preparing Subject for Test

- Eliminate all obstruction between earphone and subject.
- Place headband solidly on crown of subject's head.
- Center earphones carefully over both ears.

Step 3

Conducting the Threshold Test

Familiarize subject with test and determine starting point:

1. Start with "better" or RIGHT ear.
2. Demonstrate tone for subject using 1000 Hz at 40 dB HL.
3. Set HL control to -10 dB.
4. Hold present bar down and gradually increase intensity until a response occurs. Switch tone off and present again in two seconds. If subject responds again, this is "start" point. If subject does not respond again, repeat the step.

Determine Threshold:

5. Present tone 10 dB below "start" point.
6. Present tone for one to two seconds. Time between tones can vary, but should not be shorter than test tone.
7. With each response, decrease 10 dB more for next presentation.
8. After each failure to respond, increase signal 5 dB until first response occurs.
9. Continue with **DOWN 10 dB, UP 5 dB** until threshold is reached.

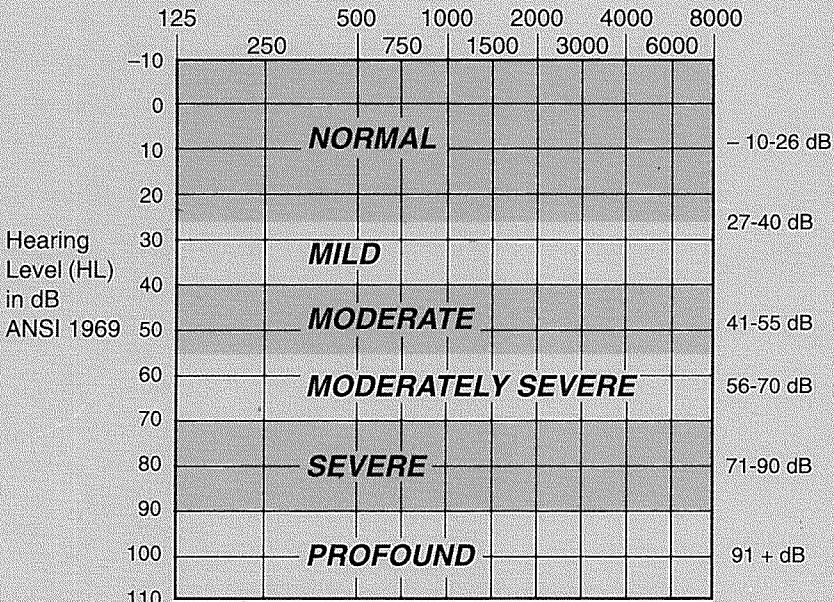
Threshold=minimum dial setting at which a response has occurred two times on ascending scale.

10. Record threshold on audiogram.

NOTE: Repeat from step five for each tone setting in the following order: 1000, 2000, 3000, 4000, 6000,

Threshold Audiometry

*Audiogram Showing
Scale of Hearing Impairment*
Frequency in Hz*



*Katz, J. "Handbook of Clinical Audiology," Williams & Wilkins, 1985.

Threshold Audiometry