

Q: What is AMTAS™?

A: AMTAS stands for the “Automated Method for Testing Auditory Sensitivity” and was developed by Dr. Robert Margolis. It is a self-administered hearing assessment tool, designed to enhance efficiency and office workflow for audiologists by obtaining a diagnostic or screening audiogram.

Q: Which tests does AMTAS Flex™ perform?

A: AMTAS Flex obtains air conduction thresholds at from 250 Hz -8000 Hz. Air conduction screening at 500 Hz, 1 kHz, 2 kHz, and 4 kHz may also be performed.

Q: What equipment do I need to use AMTAS Flex?

A: AMTAS Flex requires the use of a Windows tablet computer and calibrated headphones.

Q: How long does the testing take?

A: The test is self-paced so patients may proceed at a rate that is comfortable for them. Typically, a full air conduction threshold test will take about 7-10 minutes. When using the screening mode, the testing may be completed in as little as 1 minute.

Q: How does AMTAS Flex fit in with my current practice?

A: AMTAS Flex can be utilized for a variety of testing scenarios. For example, Flex can be used for walk-in patients, community outreach events, pre-screening for open houses, testing third parties, and annual evaluations.

Q: How can I be confident in the testing results?

A: AMTAS Flex assigns up to six quality indicators to provide insight into the behavior of the patient during the test and aides in interpretation. AMTAS methodology and validity has been documented with over 10 years of research and publications in international peer reviewed journals.

Q: What are the quality indicators?

A: The quality indicators with AMTAS Flex are as follows:

1. **Predicted Accuracy** - A summary measure of test accuracy labeled as good, fair, or poor. If poor, a re-assessment may be necessary.
2. **Predicted Average Absolute Difference** - Difference in dB between AMTAS obtained thresholds and manual thresholds obtained by an expert audiologist.
3. **Time per Trial** - The average time it took the patient to respond to the stimulus.
4. **False Alarm Rate** - The number of times the patient responded “yes” when no stimulus was presented, divided by the total number of times no stimulus was presented.
5. **Average Test-Retest Difference** - Average difference between 1 KHz test and retest in right and left ear.
6. **Quality Check Fail Rate** - Number of times patient did not respond to stimulus above threshold, divided by number of measured thresholds.

Q: How does AMTAS benefit the audiologist?

A: AMTAS was designed to be a tool for clinicians and audiologists to use to help manage their busy schedules. This software frees audiologists and clinicians from routine testing and allows them more time for other tasks (counseling, hearing aid fitting and cleaning, etc.).

Q: How can I get AMTAS Flex?

A: Contact your local GSI Distributor for pricing and installation.