iAudiometer: FAQ

Q: Does it work as a box audiometer? Is it really reliable?

iAudiometer can be calibrated to ANSI Standards (ANSI S3.6) and ISO-EN Standards (EN60645): this makes iAudiometer a full diagnostic audiometer. To Meet ANSI Standards means to respect amplitude values for each frequency, to prevent unwanted noises, to assure linearity: all these things assure to have reliable results.
Since it's a cutting edge technology, comparing studies can explain more than anything else: below there are study researches published we collected so far (more are in processing of being published).

- "*Tablet Audiometry: accurate enough for clinical use?*"

  Speech, Language & Hearing Sciences, University of Florida

- "*iAudiometer: a new step forward in digital audiology. A comparative effectiveness and screening research*"

  University of Bari

Q: Where can I find the Data Sheet of iAudiometer?

It is included within the iAudiometer System's package and can be downloaded within the iAudiometer System App in the "Help&Info" section.

Q: How can I connect my headphones to iAudiometer?

You can use either our ISB or ISB+. For more information, please refer to the "ISB Manual" included within your iAudiometer System's package. If you need assistance, contact us at support@melmedtronics.com : we will be happy to help you.

Q: I would like to know more about who are your customers and hear from them their personal experiences with iAudiometer. Where can I find these information?

We don't disclose our customer contact information, but we created an Official LinkedIn Group where you can find our customers and ask your own questions:

https://www.linkedin.com/groups/8222361

Q: How secure is my data? Is iAudiometer HIPAA compliant?

Yes, it is. Indeed, iAudiometer uses the highest encryption algorithm available on the market (AES256bit), the same used by NSA. It is used to encrypt the password to protect the Patient Section and the data stored within the iPad. Also, when you export data (in *.iapt proprietary format), it is encrypted with the same algorithm preventing anyone to steal your data. iAudiometer supports also all sharing protocol on the market with several security levels and it can be so customized to meet any needs.

Q: Which kind of test are supported?

iAudiometer comes in different versions with different prices, but the tests supported are:

- Pure Tone Tests: AC/BC/FF + Masking;
- Additional Pure Tone Tests: Screening (Pass/Fail), TDT, Stenger Test, ABLB;
- Speech Tests: SRT/SD, PI-PB and Psst™ (Picture Pointing test)
- Tinnitus Evaluation (TEP®): tinnitus questionnaire, matching (with 1Hz precision), minimum masking level and residual inhibition level;

NOTE: It is possible purchase Tests within your iAudiometer System App.

Q: Are there available User Guide or Tutorial how use iAudiometer?

In all iAudiometer versions is available an User Guide in PDF (you can share it or print it directly from the app). We also published several YouTube Video Tutorials and they can be found within "Help&Info" section within the app.
More, iAudiometer has reported to have a fast learning curve, since it was designed by Audiologists for Audiologists.

Q: Which CPT Codes are supported?

iAudiometer supports:
CPT: 92551: Screening test pure tone only;

- CPT: 92552: Pure tone audiometry (threshold) air only;
- CPT: 92553: Pure tone audiometry (threshold) air and bone;
- CPT: 92557: Comprehensive audiometry (threshold evaluation and speech);
- CPT: 92562: Loudness balance test, alternate binaural or monaural;
- CPT: 92563: Tone decay test;
- CPT: 92565: Stenger test pure tone;
- CPT: 92582: Conditioning play audiometry;
- CPT: 92583: Select picture audiometry;
- CPT: 92625: Assessment of tinnitus (pitch, loudness matching and masking);

Q: Which transducers are supported?

iAudiometer supports the following professional audiological transducers: TDH39, TDH49, DD45, IP30, ER3A, ER5A, ER5C, B71 and Sound Field.
For more technical details, please refer to the Data Sheet.

Q: Does iAudiometer support TalkBack/Forward?

Yes, using our ISB+. With some version of our iAudiometer System is included, otherwise you can purchase it on our eCommerce:

http://www.melmedtronics.com/shop/

Q: Is the Speech Test supported and if yes how can I use my own speech material?

Yes, it is. You can either use the built-in speech material or you can upload your own speech material. To know more about how upload your audio files, please follow this YouTube Video Tutorial:

https://www.youtube.com/watch?v=VJZVSahgPWY

Also, right from the app, in the Speech Test Sections, there is the “Speech Settings” in which you can set how your audio files are, and you can also add the “words” for each audio files, in order to have them showed during the test.

Q: How is possible to share Patient and Test Results?

iAudiometer has two main ways of exporting. You can export Test Results, with customized header facility and your digital signature, in PDF, adding comments and notes, and sharing them using email or upload either on cloud server (as Dropbox®) or on your own data server (using your own APIs). Also, you can export data from iAudiometer in order to backing up them and/or share them with another iAudiometer: all data is encrypted and secure.