Computer Audiometry System

Our Computer Audiometers CA 350 / CA 450 cover all requirements for Audiologists and E.N.T. Clinics. The devices are optimized to achieve maximum efficiency in daily routine.

The Device

The hardware unit itself is taking a back seat since it is fully controlled by software. Due to it's slim design, the device can easily be mounted to the Wall or under the desktop. With only Monitor, Keyboard and Mouse on the tabletop, you create a clean and modern audiometry workplace - no more cable spaghetti!

- ❖ Two-Channel Tone- and Speech Audiometer
- ❖ Air Conduction incl. Sennheiser HDA 280 up to 120 dB_{HL} in mid frequency range
- ❖ Bone Conduction incl. RadioEAR B-71 up to 70 dB_{HL} in mid frequency range
- ❖ incl. Free Field Output
- ❖ incl. Free Field Amplifier (CA 450)
- ❖ incl. auxiliary Outlet for Insert-Phone or HF-Headset (CA 450)
- ❖ extended Frequency Range 125 Hz … 12.5 kHz in basic version
- ❖ incl. Examiner Headset and Patient Switch for Patient Communication
- ❖ incl. Connector for Talk Back Microphone for connection to Sound Proof Booths
- ❖ No medical PC required since the USB Interface in the device is galvanically isolated.

The Software

The key to efficiency is our Software OtoCure Suite. It's an integrated, self contained software package and includes a Database for storing Patients, Audiograms, Tympanograms, Forms …

- ❖ Easy Installation
  Setup takes care of complete installation including driver Database, etc. No complex Server installations or driver settings required.
- ❖ Full Customization
  Symbols for all Tests can be customized to adopt regional standards. Likewise Print Forms can be fully customized to comply with regional documentation requirements. On top, the software provides extensive support for localized speech testing: import your Speech Test CD to Harddisk and add track information - gain ease of use, full control and docu mentation of your speech testing.
- ❖ Easy Operation

Ton Audiometry
- Extended Frequency Range in Basic Version 125 Hz … 8 kHz + 12,5 kHz, High Frequency optional
- Hearing Level, MCL and UCL measurements
- 3 separate curves for with/without hearing aids
- Symbols for all curves customizable
- manual or synchronous masking
- Superimpose previous curves to show shifting
- Document tuning fork tests

Speech Audiometry
- Manual Speech Test with external Sources like Cd's
- **Superior Speech Testing with HD-Speech Module:**
  Provides CD Ripping to PC's Harddisk and editing of track information to tell the software start, end and content of words and sentences inside a track.
  During testing, single words are presented and the examiner asses correct/incorrect intelligibility by software. So full documentation of the test is recorded by the software automatically.
- Word in Noise Tests: mix masking channel onto examined ear
- Automatic adaptive testing:
  Edit rules for each presented sentence that change levels based on the Patients intelligibility.
- 3 separate curves for with/without hearing aids
- Symbols for all curves customizable
- separate curves for Discrimination Loss, MCL and UCL
- Interface to Westra Wave Audiometrie

Special Tests
- Tinnitus Measurement
- Tinnitus Masking with broad- or narrowband Noise monaural or binaural masking
- SISI, ABLB, Lüscher, Langenbeck (Tone in Noise), Stenger

Sophisticated Print Management
The finally printed document is presenting your work to the Patient - and therefore needs to show the same high quality as your work!
This is ensured by the OtoCure Suites Sophisticated Print Manager:
- Many predefined print forms provided
- Allows to create new print forms or change existing forms
- Add, move, Patient Data, Ton- and Speech Audiograms, Tympanograms, Text, Graphics, Images. Logos and set colours, line styles, etc.
- **Includes Electronic Document Management:**
  Textfields and Checkboxes can be added to any form.
  These can be filled in before printing in the preview window.
  Filled in documents can be stored in the integrated database!
- Allows to create print forms that fullfill requirements of national healts services