Oscilla® A30 PC-based screening audiometer

Turn your PC into an audiometer and focus on your patient

Ease-of-use – Conduct hearing tests and manage patient data effortlessly, all from the comfort of your PC screen. With the Oscilla USB audiometer you will benefit from an integrated solution that enables you to dedicate more time to your patients.

Ultra-portable and lightweight – Take the test directly to the patient. The audiometer is USB-powered; simply connect it to your PC and launch the AudioConsole® software to start working immediately. There is no lengthy loading time – it is straightforward plug & play. Each audiometer comes with a convenient carrying bag, making it easy to transport and use in any location alongside your laptop.

Optimize your workflow – The Oscilla AudioConsole software offers a user-friendly interface for both audiometry and data management. Observe audiograms updating in real time on your screen, share the results with your patient instantly, store them in the database, generate personalized PDF reports or export the results to your patient management system for enhanced efficiency.

Mobile hearing screening

- Compact and ultra-portable, weighing just 600 g, or 900 g including the carrying bag.
- Simply connect to any PC, notebook or tablet via USB to begin testing.
- A colored luminous patient response button that lights up and changes color during the session to stimulate concentration.
- Noise-attenuating Oscilla headset creates a controlled testing environment.
- Upload patient lists and export patient data in standard formats.
- The AudioConsole software allows integration with a wide variety of patient management systems using interfaces such as GDT, XML, Noah, and WebAPI among others.
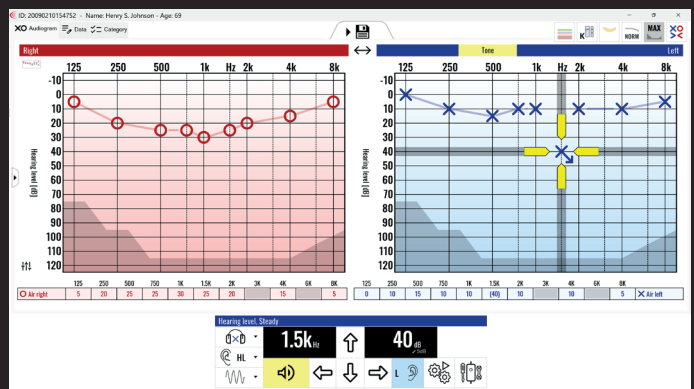

See video

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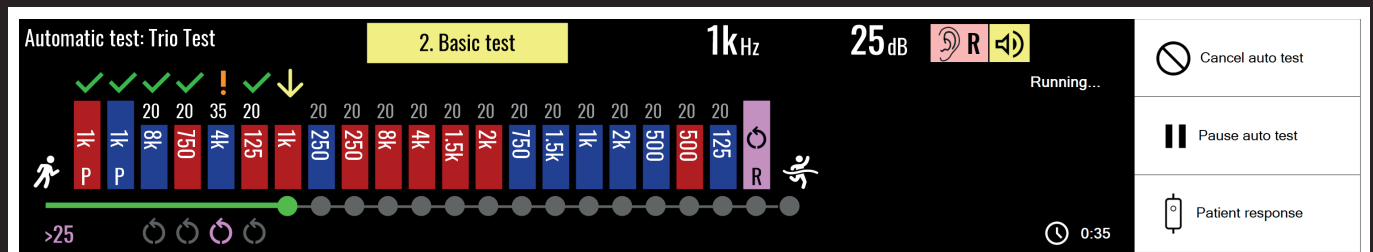GDT   XML   Noah 4   API

Oscilla

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The AudioConsole® software

With its intuitive user interface and a wide range of test options, AudioConsole is the complete software solution for PC-based audiometry and patient data management. Hearing test results can be printed or saved as PDF files using customized templates. The built-in report generator allows for personalization of results with your logo and colors.

- Upload patient lists and export patient data in XML format.
- Works with all patient management systems and fitting services that are compatible with Noah.
- Includes a built-in patient database for smaller setups.
- Provides access to Oscilla technicians via remote support.

The software features an audiogram with a manual testing control panel.

The new **Trio auto test** is a fully automatic screening tool that performs three steps: a preliminary test, a basic test and a retest for frequencies that fail the initial assessment.

Specifications

Standard package
- Oscilla A30 ergonomic handheld main unit, with an illuminated response button in medical-grade silicone.
- Integrated Oscilla H210A headset.
- AudioConsole software.
- Carrying bag.

Pure-tone tests
- Manual test operated with mouse or keyboard.
- 20 dB auto test
- 20 dB random auto test
- XX dB auto test
- XX dB random auto test
- Hughson-Westlake test
- **NEW** Trio auto test (fully automatic screening tool)
- Ear protection test

User groups
- **Intended use:** Diagnostic audiometric testing.
- **Intended users:** Audiologists, ENT specialists and other health care professionals conducting hearing tests on their patients.
- **Intended patient population:** All patient groups from five years through adulthood, provided that the patient is able to respond to the signals.

Supported operating systems
- Microsoft Windows 10 and 11.

Audiometry specifications
Frequency range (air): 125 Hz, 250 Hz, 500 Hz, 750 Hz, 1000 Hz, 1500 Hz, 2000 Hz, 3000 Hz, 4000 Hz, 6000 Hz, 8000 Hz.

Sound pressure (air)
- **Level range (air):** -10 dB to 110 dB
- **Level steps:** 1, 2, or 5 dB steps

Signals: Steady, pulse, and warble.

General
Connection & power supply: USB 2.0 - 5 volt DC, 500 mA

Physical characteristics
Dimensions: 150 mm x 140 mm x 110 mm (5.9" x 5.5" x 4.3")
Weight: Approx. 600 g (1.32 lbs.)

Standards
Electrical safety: IEC 60601-1:2005/A1:2012 (Edition 3.1), Class II, Type B applied parts, IPX0.
EMC: IEC 60601-1-2:2014 (Edition 4.0), Class B.
Performance: IEC 60645-1:2017, Type 4.
Regulation: EU MDR 2017/745 Class IIa.

ISO 13485   EUDAMED   EU-MDR   FDA   CE 0483

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