

SM450-FF

PC-based diagnostic audiometer with speech



Turn your PC into an audiometer

Conduct hearing tests and manage patient data comfortably in front of your PC screen. With the SM450-FF PC-based audiometer, you get an integrated solution that lets you dedicate more time to your patients.

Optimise your workflow with AudioConsole

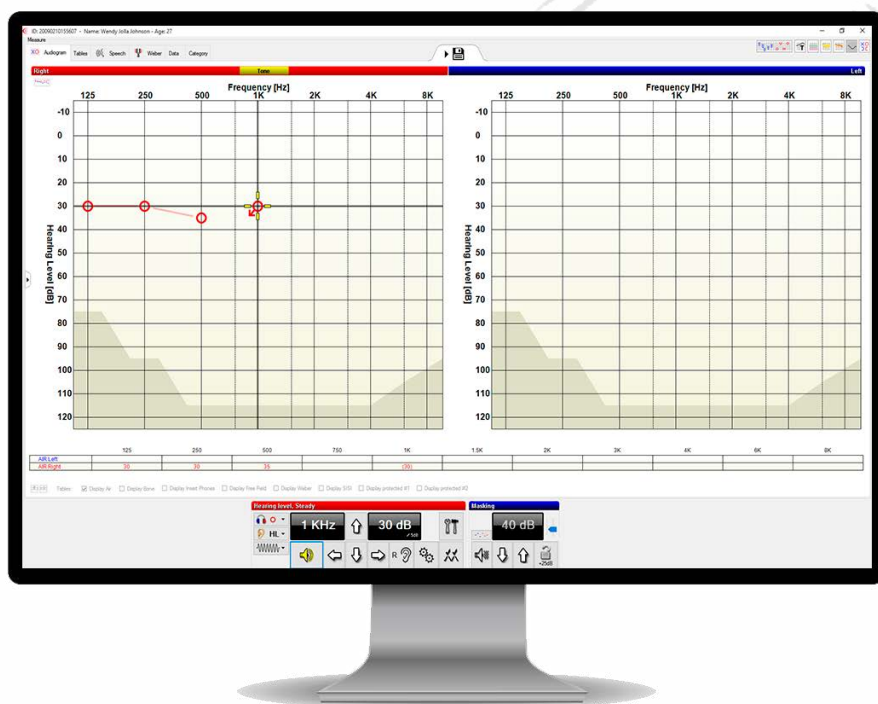
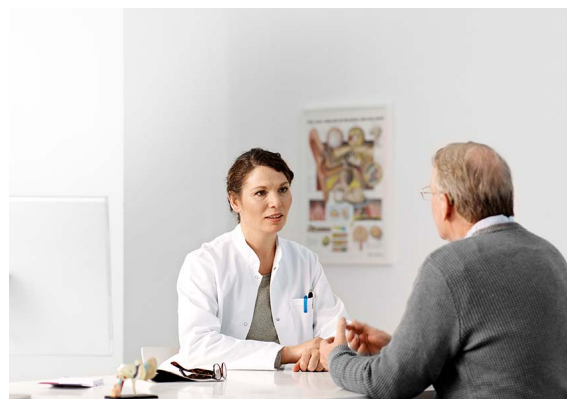
Oscilla AudioConsole provides you with a user-friendly interface for audiometry and data management. Watch audiograms update in realtime on your screen, show the results to your patient, save them in the database, generate customised PDF reports or export the results to your patient management system.

Compact design

With its compact design, the SM450-FF takes up little space in your clinic. The audiometer also has brackets, which lets you mount it on a wall.

A wide range of testing opportunities

SM450-FF gives you a wide range of pure tone and speech testing options as well as the option to test in free field.



SM450-FF

Specifications



SM450-FF standard package

- SM450-FF device
- Peltor™ Headset fitted with TDH-39
- Patient responder
- Bone conductor (B71W)
- USB cable
- AudioConsole software
- Instructions for use

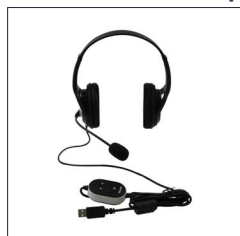
Pure tone tests

- Manual test
- 20 dB auto test
- 20 dB random auto test
- xx dB auto test
- xx dB random auto test
- Decrease 10 dB random auto test
- Decrease 5 dB random auto test
- SISI
- Weber test
- Ear protection test
- Hughson Westlake test
- MCL
- UCL
- Left, right, binaural
- Aided/unaided

Speech tests

- Built-in speech material
- Live voice test
- SRT
- DS
- MCL
- UCL
- Left, right, binaural
- Aided/unaided

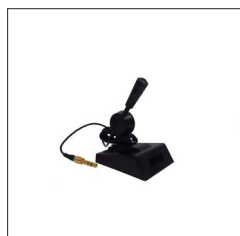
Accessories and optional parts



Operator headset with USB
For live voice testing and communicating with the patient



Loudspeakers
For free field audiometry



Talk-back microphone
Lets the patient communicate with the operator

Audiometry

Frequency range (air and bone)

125 Hz, 250 Hz, 500 Hz, 750 Hz, 1000 Hz, 1500 Hz, 2000 Hz, 3000 Hz, 4000 Hz, 5000 Hz, 6000 Hz, 7000 Hz, 8000 Hz

Sound pressure

Level range (air): -10 dB to 110 dB

Level range (bone): -10 dB to 60 dB

Level steps: 1, 2 or 5 dB steps

Signals

Steady, pulse and warble

Masking

NB, WN, SN

General

Power supply

USB

PC connection

USB

Physical characteristics

Dimensions

150 mm x 140 mm x 110 mm (5.9 in x 5.5 in x 4.3 in)

Weight

Approx. 500 g (1.10 lbs.)

Standards

Safety

IEC 60601-1:2005, Class II, Type B applied parts, IPX0

EMC

IEC 60601-1-2:2007, Class A

Performance

IEC 60645-1:2012, Type 3

IEC 60645-2:1993, Type B

ANSI S3.6-2010, Type 3, speech type B

User groups

Intended use

Determining hearing threshold levels, relative to standard reference threshold levels established by means of psychoacoustic test methods.

Providing a means of presenting speech sounds to a subject in a standardized manner for the measurement of speech recognition.

User profile

The intended users are trained professionals, healthcare personnel, clinicians and ENT doctors with audiological experience.

Manufacturer

Inmedico A/S (part of Otometrics)
Johann Gutenbergs Vej 3
DK-8200 Aarhus N
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Sales and distribution

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