



For everyone



Model 270+

Advanced two-channel diagnostic audiometer



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A powerful two-channel diagnostic audiometer with enhanced technology for more accurate testing and reduced consultation times. Introducing a new standard to the hearing healthcare profession, the Model 270+ is the perfect choice for audiologists, ENTs and hearing care professionals.

Key features

- Two-channel audiometer
- Tone audiometry (AC, BC, pure tone, warble tone, pulsed tone)
- Narrowband and speech weighted masking
- Automatic AC and BC testing including automatic masking
- Speech audiometry (recorded and live)
- Masking assistant
- Free field functionality
- Special tests: ABLB, Stenger, SISI, Tone decay, HLS, MHA
- Amplisuite software and Noch modules included



Ergonomic design

With a carefully considered layout, including premium-quality rotary controls, silent touch buttons, and illuminated light ring indicators representing the selected ear, the Model 270+ allows a constant overview of the test position whilst ensuring optimal hand placement.

With a logical six key (left-to-right) process to define test routines, this intuitive instrument guides operators through time saving test protocols to test accurately, making it ideal for those new to testing, as well as seasoned professionals.

Clinical measurement options

This portable audiometer features everything you'd expect within diagnostic and clinical audiometry. Manual and automatic testing is available for air (Hughson Westlake and Békésy) and bone conduction, along with intuitive tools that enable users to determine hearing loss issues quickly and efficiently.

With recorded and live speech testing, the SRT and SDT scored can easily be defined at the most comfortable threshold level (MCL) for faster hearing aid fitting.

The Model 270+ also includes key clinical tests required for the diagnosis of hearing issues such as cochlear and retrocochlear hearing loss (e.g. SISI, Tone Decay, ABLB).

Additional counselling tools such as Hearing Level Simulator (HLS) and Master Hearing Aid (MHA) enable the operator to provide class-leading patient care.

Masking assistant

The integrated masking assistant function informs the operator when to apply masking levels whilst also assessing the volume of the stimulus as either ideal, too loud, or too soft. This ensures a completely accurate measurement.

When required, the Model 270+ can also be set to automated testing where it will apply masking levels automatically, for both air and bone conduction.

Data management

With the inclusion of an internal memory function, test results can be printed immediately or saved for future processing using the supplied Amplisuite software.

Amplisuite allows for easy results download for processing and management with useful counselling tools such as spectrum/banana.

The audiometer also offers single-click integration to third-party Electronic Medical Record (EMR) systems such as Noah and OtoAccess® enabling the seamless transfer of results and data, for exceptional workflow efficiency.



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Technical specifications

Frequency range

Air conduction range (kHz):	0.125, 0.25, 0.5, 0.75, 1, 1.5, 2, 3, 4, 6, 8
Bone conduction range (kHz):	0.25, 0.5, 0.75, 1, 1.5, 2, 3, 4, 6, 8
Frequency accuracy:	<1%
Distortion:	<2%
Test method:	Manual or automatic mode (AC and BC)
Tone present:	Continuous or interrupted, pulsed, warble

Output level range

Air conduction range:	-10dBHL to 120dBHL \pm 3dB
Bone conduction range:	-10dBHL to 70dBHL \pm 3dB
Output level step size:	1, 2, 5dB

Masking

Masking:	Narrowband and speech weighted noise
Output:	Headphones, insert earphones or insert masker
Insert masking output:	90dBHL max (250-4kHz)

Freefield

Output level range (FF):	Up to 90dB
No. of loudspeaker:	2

Special tests

Overthreshold tests:	Stenger test, ABLB (Fowler), SISI, Tone decay (Cahart)
Simulators:	MHA, HLS

Communication

Talk over:	Integrated or external monitor headset
Talk back:	External microphone

Data management

Internal database:	10 audiograms
Optional printer:	MPT-II thermal printer
Data transfer:	Via USB to Amplisuite, Noah, OtoAccess® and other EMR systems
Languages:	English, German, Polish

Speech

Speech input:	PC, tape, CD or MP3 input or live speech
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Safety and standards

Safety:	IEC 60601-1 (plus UL, CSA & EN deviations)
EMC:	IEC 60601-1-2
Performance:	Type 2 (IEC 60645-1:2017), Type 3BE (ANSI S3.6:2010)
CE Mark:	Complies to EU Medical Device Regulation (MDR 2017/745)

Physical data

Display:	2 lines of 24 characters
Power:	100-240Vac 50-60Hz
Dimensions (L x W x H):	259 x 374 x 90mm
Weight:	1400g / 3.08lbs

Standard equipment

- Standard audiometric headset
- Bone conduction headset
- Patient response switch
- Audiogram cards (50)
- Mains power adaptor
- Carry case
- USB cable (PC connection)
- Amplisuite PC software and Noah connection module

Optional equipment

- Monitor/masking earpiece and lead
- Combined microphone and monitor headset
- Talkback microphone
- Loudspeaker kit
- Audiocups (noise reducing headset enclosures)
- Insert earphones
- Portable Thermal printer and cable
- USB charger

Please note: the Model 270+ is a two-channel diagnostic audiometer which is referred to as a 1.5 channel audiometer in some markets.



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The Amplivox policy is one of continuous development and consequently the equipment may vary in detail from the description and specification in this publication.