



For everyone



Model 270+

Advanced two-channel diagnostic audiometer



Model 270+

Advanced two-channel diagnostic audiometer

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 NOAH 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 for 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.

Measurement options

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 (e.g. SISI, Tone Decay and 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.



Model 270+

Advanced two-channel diagnostic audiometer

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), SISL, 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 cable to Amplisuite, NOAH, OtoAccess® and other EMR systems |
| Languages: | English, German, Polish |

Speech

| | |
|---------------|--|
| Speech input: | PC, tape, CD or MP3 input or live speech |
|---------------|--|

Safety and standards

| | |
|--------------|---|
| Type: | Audiometer Type 3BE/Type 2 |
| Safety: | IEC 60601-1 (plus UL, CSA & EN deviations) |
| EMC: | IEC 60601-1-2 |
| Performance: | IEC 60645-1/ANSI S3.6 |
| 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)
- Manual & software (available via website download)

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
- Power Bank USB cable

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



Amplivox Ltd, 3800 Parkside, Solihull Parkway, Birmingham Business Park, Birmingham, West Midlands, B37 7YG, United Kingdom

www.amplivox.com | +44 (0)1865 880846 | hello@amplivox.com

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