

Model 270

Diagnostic audiometer



The **Amplivox 270** is a two channel diagnostic audiometer that excels in the critical areas of technology, ergonomics and ease of use.

Technology

A comprehensive specification including several clinical tests, transducer output choices and test result recording options together with unsurpassed product reliability is made possible by the use of advanced digital technology.

Ergonomics

The controls are arranged in a clear and logical manner. Test information appears instantaneously on the large integral display which is set at an optimal viewing angle.

Ease of use

A reduced test time is achieved with the use of the threshold retention facility and quiet, positive action rotary controls. Test results can be saved in memory, printed with the optional printer or exported via the NOAH compatible interface (AC, BC and speech).

Portable

The **Amplivox 270** is a very compact audiometer and has the flexibility to be used for both clinic and portable applications. The lightweight custom designed carrying case will accommodate the audiometer and accessories.

- Two channel audiometer
- Air, bone and speech audiometry
- Pure tone, continuous, pulsed and warble tones
- Range of clinical tests
- NOAH interface
- Compact and easy to use
- Talk forward/back function
- Optional printer
- Optional insert earphones



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Technical specifications

Output/input data	
Outputs:	Left AC, Right AC, Bone (L&R) insert masking and freefield
Frequency range (Hz):	AC: 125-8kHz BC: 250Hz-8kHz
Frequency accuracy:	<1%
Distortion:	<2%
Output level range (AC):	-10dBHL to 120dBHL (max)
Output level range (BC):	-10dBHL to 70dBHL (max)
Output level range (FF):	Up to 90dB
Insert masking output:	90dBHL max (250-4kHz)
Output level accuracy:	Within 3dB
Output level step size:	2.5dB/5dB
Output transducer options:	Standard audiometric headset (AC) and/or optional insert earphones
Tone present:	Single, pulsed, warble or continuous
Masking:	Narrowband or broadband
Lock:	Synchronous channel lock
Clinical tests:	SISI, Stenger, ABLB
Communication:	Integral talk over and talk back facility
Recorded speech:	Tape or CD input
Live speech:	2 x microphone input
Level indicator:	Monitors live and recorded speech
NOAH interface:	Transfer of AC, BC and speech test results

Physical data

Display:	2 lines of 24 characters (backlit)
Power (UK):	240V ac 50/60 Hz
Dimensions (mm):	355 x 230 x 100 high
Weight:	1.6kg

Standards

The Amplivox 270 conforms to the relevant clauses of the following standards.

Safety:	IEC 60601-1
EMC:	IEC 60601-1-2
Audiometric:	IEC 60645-1, EN60645-2
CE mark:	Complies to EU Medical Device Directive

Equipment

Standard equipment

- Audiometric headset
- Bone conductor headset
- Patient response switch
- Audiogram cards (50)
- Operation manual
- Mains adaptor
- Integrated talk over function
- Custom-designed carrying case

Optional equipment

- Insert earphones
- External printer and lead (for AC and BC test results)
- Monitor/masking earpiece and lead
- Combined microphone and monitor headset
- Audiocups (noise reducing earphone enclosures)
- Audiogram cards

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