

amplivox
amplivox 170
Automatic Screening
Audiometer



amplivox 170 Automatic Screening Audiometer Owner's Manual

[Home](#) » [Amplivox](#) » amplivox 170 Automatic Screening Audiometer Owner's Manual 

Contents

- [1 amplivox 170 Automatic Screening Audiometer](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Data management](#)
- [5 Key features](#)
- [6 Technical specifications](#)
- [7 Communication](#)
- [8 Data management](#)
- [9 Physical data](#)
- [10 Safety and standards](#)
- [11 Standard equipment](#)
- [12 Optional equipment](#)
- [13 Additional information](#)
- [14 Documents / Resources](#)
 - [14.1 References](#)
- [15 Related Posts](#)



amplivox 170 Automatic Screening Audiometer



Product Information

Model 170 – Manual and Automatic Screening Audiometer

Cost-effective and easy-to-use, the Model 170 is the preferred tool for hearing care professionals. It is designed for use in schools, primary care, GP surgeries, and industry.

Ergonomic Design

The Model 170 features a clear display panel and dedicated soft key layout for easy operation. This design allows operators to focus on the test subject, reducing examination time.

Time Saving

Test frequencies and attenuation ranges required for pure tone audiometry are included in the audiometer. Automatic test routines with pure and pulsed test tones enable efficient large-scale screening programmes.

Portability

Weighing only 720g (1.52lbs), the Model 170 is lightweight and robust, making it ideal for professionals who travel frequently. It comes with a custom carry case and standard accessories.

Automatic Threshold Saving

The audiometer includes PC software for easy data management. Its intuitive and ergonomic design enhances usability.

Product Usage Instructions

Setting Up the Model 170 Audiometer

1. Remove the audiometer from the carry case.
2. Connect any necessary accessories, such as headphones or external speakers.
3. Power on the device using the designated power button.
4. The audiometer is now ready for testing.

Conducting Hearing Tests

1. Select the appropriate test frequency and attenuation range.
2. Instruct the test subject to respond when they hear a tone.
3. Use the dedicated soft keys to adjust the output level accordingly.
4. Record the threshold levels for each frequency tested.
5. Repeat as necessary for a comprehensive hearing assessment.

Data Management with PC Software

Utilize the included PC software to store and analyze test results. Connect the audiometer to a computer using the provided cable and follow the software instructions for data transfer.

Frequently Asked Questions (FAQ)

Q: Can the Model 170 audiometer be used for both manual and automatic screening?

A: Yes, the Model 170 supports both manual and automatic screening procedures, offering flexibility in testing methods.

Model 170

Manual and automatic screening audiometer

Cost-effective and easy-to-use, the Model 170 is the preferred tool of choice for hearing care professionals who complete hearing tests within schools, primary care, GP surgeries and industry.

Ergonomic design

Designed with the operator in mind, the Model 170 has a clear display panel and dedicated soft key layout, allowing complete focus on the test subject and reducing the time it takes to do examinations.

Time saving

The audiometer includes test frequencies and attenuation ranges required to perform a wide range of pure tone audiometry, such as standard threshold or sweep testing for school screening.

Automatic test routines with pure and pulsed test tones enable large-scale screening programmes to be delivered effectively.

Portability

At only 720g (1.52lbs), the lightweight and robust design of the Model 170 benefits any hearing care professional who frequently travels. This instrument is supplied with a custom carry case and all standard accessories.

Data management

Results can be manually recorded, printed with the optional portable printer, saved in internal memory and or transferred to a PC application, thus giving a comprehensive range of data management choices.

The audiometer also offers integration to a number of third-party Electronic Medical Record (EMR) systems. This enables the seamless transfer of results and data, for improved workflow efficiency.

For specific occupational health screening programmes, the Model 170 can also be supplied with the Amplivox Audibase data management software which will automatically categorise hearing tests.

Key features

- Manual and automatic screening
- Compact, lightweight and portable
- Extended frequency range: 125 – 8000Hz
- Attenuation range: -10 – 100 dBHL
- User defined test routines
- Automatic threshold saving
- PC Software included
- Intuitive and ergonomic design

Technical specifications

Air conduction audiometry

Frequency range (kHz):	0.125, 0.25, 0.5, 0.75, 1, 1.5, 2, 3, 4, 6, 8
Frequency accuracy:	<1%
Distortion:	<2%
Output level range:	-10dBHL to 100dBHL \pm 3dB
Output level step size:	5dB
Tone present:	Single and pulsed
Test method:	Manual and automatic audiometry

Communication

Talk over:	Integrated
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Data management

Internal database:	12 audiograms
Optional printer:	Thermal printer
Data transfer:	Via USB cable to designated EMR systems
Languages:	English

Physical data

Graphic display:	2 lines of 24 characters
Power:	Mains: 240Vac 50/60Hz
Dimensions (L x W x H):	252 x 170 x 65mm
Weight:	720g / 1.58lbs

Safety and standards

Type:	Audiometer Type 4
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)

Standard equipment

- Standard audiometric headset
- Subject response switch
- Audiogram cards (50)
- Power supply with country adaptors
- Carry case
- Manual & software (available via website download)

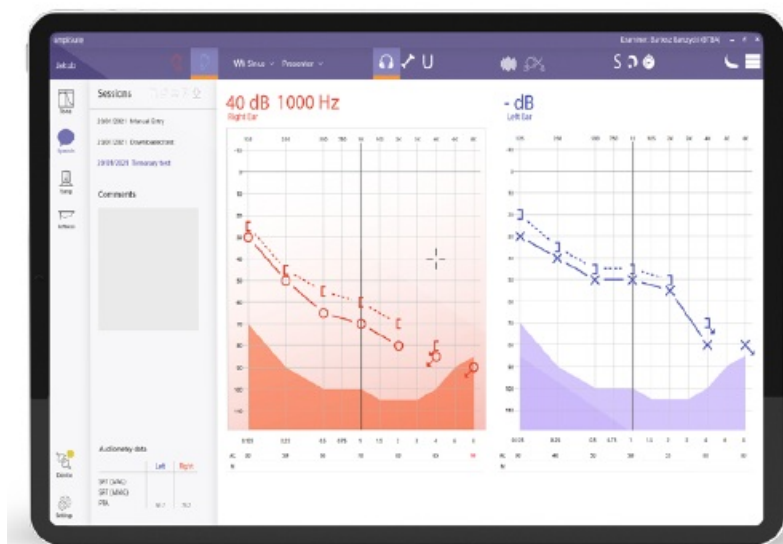
Optional equipment

- Amplivox Audiocups (noise- reducing enclosures)

Thermal printer

- Pediatric headband
- USB cable (PC connection)
- Audibase software
- Booth leads

Additional information




Amplisuite

Amplisuite is an audiometry software application which allows for easy results download, processing and management, with the inclusion of useful counselling tools such as speech bananas etc.

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

Documents / Resources

	<p>amplivox 170 Automatic Screening Audiometer [pdf] Owner's Manual 170 Automatic Screening Audiometer, 170, Automatic Screening Audiometer, Screening Audio meter, Audiometer</p>
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References

- [User Manual](#)

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