amplivox

For everyone

Otowave
102-1 & 102-4

Handheld portable tympanometers

Intuitive handheld screening tympanometers for reliable and accurate middle ear measurements. The efficiency and ease of use of the Otowave 102 can help to reduce consultation times, making it the ideal choice for many audiology, ENT and hearing healthcare professionals.

Data management

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

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

Ease-of-use

The Otowave 102 is intuitive to use, with on-screen test data that is displayed in real time. It is ideal for those who require fast results as screening tympanometry only takes a few seconds with the automatic pass/refer result evaluation.

Ipsilateral reflex tests can also be programmed into the test protocol so that it runs concurrently.

The Otowave 102 is an ideal choice for screening children who may be suffering from middle ear conditions.

Ergonomic design

Tests can be completed with confidence and accuracy due to the elegant shape which follows the contours of the hand, combined with a perfect weight distribution.

The Otowave 102 also provides an effortless testing experience with a large LCD screen for viewing the live tymp display, and simple four-key button layout.

Portability

Weighing only 380g (0.8lbs), the design allows for complete portability. Powered by AA batteries which can be easily exchanged in the field, travelling audiologists can have confidence that they are providing reliable measurements in both mobile and clinic based audiological environments.

Key features
Fast and accurate middle ear measurements
Intuitive and ergonomic design
Large LCD graphics display
Programmable ipsilateral reflex tests
Optional portable printer and PC interface
Multiple language options
Internal memory
PC connectivity to Noah applications with optional iRDA port
Compact, lightweight and portable

3 Year Warranty

Visit www.amplivox.com/tympanometry/otowave-102 to learn more about the features and benefits of the Otowave 102

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

Otowave 102

Handheld portable tympanometers

Technical specifications

Tympanometry measurements

Probe tone level:	226Hz ±2%, 85dB SPL ±2 dB
Pressure range:	+200daPa to -400daPa ±10daPa or ±10% (whichever is greater)
Direction of sweep:	Positive to negative
Volumetric range:	0.2ml to 5ml ±0.1ml or ±5% (whichever is greater)
Analysis performed:	Compliance peak level, compliance peak pressure level, gradient and equivalent ear canal volume

Reflex measurements

Otowave 102-1:	1kHz ±2%
Otowave 102-4:	500Hz, 1kHz, 2kHz, 4kHz ±2% user-selectable
Reflex dB range::	85 to 100 dBHL ±3dB (5 or 10dB steps) Threshold measurement or single level
Reflex measurement range:	0.01ml to 0.5ml ±0.01ml
Analysis performed:	Reflex maximum amplitude and pass/ fail at each test level

Data management

Internal database:	32 patient records
Optional printer:	Thermal printer
Data transfer:	Via Infra-red to Amplisuite, Noah, OtoAccess® and other EMR systems
Languages:	English, German, Italian, Spanish, French, Portuguese

Physical data

Power (battery pack):	4x Alkaline AA or 4x NiMH (≥ 2.3Ah) rechargeable
Dimensions (L x W x H):	210 x 80 x 40mm
Weight:	380g (including batteries)

Safety and standards

Safety:	IEC 60601-1 (plus UL, CSA & EN deviations)
EMC:	IEC 60601-1-2
Performance:	IEC 60645-5, Type 2 Tympanometer, ANSI S3.39, Type 2
CE Mark:	Complies to EU Medical Device Regulation (MDR 2017/745)

Standard equipment

- Eartip selection box
- Test cavities (4)
- AA batteries (4)
- Spare probe tips and gaskets
- Carry case
- USB stick (manuals, audiometry module for Noah and Amplisuite software)

Optional equipment

- Portable printer
- Infra red IrDA cable (PC connection required)
- Rechargeable batteries
- Eartips
- OtoAccess® database

Additional information

Amplisuite

Amplisuite is an audiometry and tympanometry software application which allows for easy results download, processing and management.

Providing Auditbase and Noah integration, Amplisuite empowers hearing care personal to review audiological test data and support their patients in the best possible way. Amplisuite is also available as a free stand-alone software option.

amplivox

For everyone

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.