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 offers reduced 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 |

2 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)<br>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<br>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) |

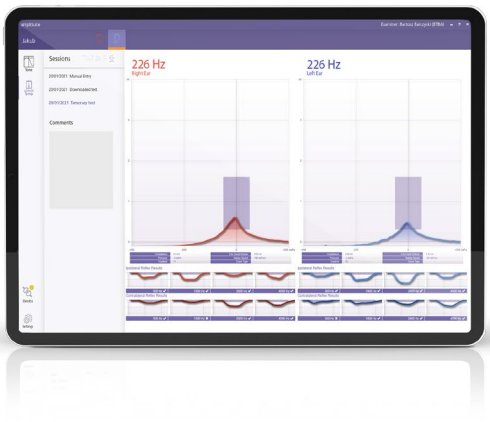
## Standard equipment

- Eartip selection box
- Test cavities (4)
- AA batteries (4)
- Spare probe tips and gaskets
- Carry case
- Manual & software (available via website download)

## 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.

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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.

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