



For everyone

# Otowave 102-C

## Handheld tympanometer with docking station



A handheld screening tympanometer with a custom designed docking station for both instrument charging and test data transfer. Intuitive and with the ability to reduce consultation times, it is ideal for audiologists, ENT and hearing healthcare professionals.

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

### 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 Auditbase, Noah and OtoAccess®. This enables the seamless transfer of results and data, for exceptional workflow efficiency.

### Ease-of-use

The Otowave 102-C is intuitive and easy to use with real time on-screen information displayed before, during, and after testing. It provides fast, accurate tympanometry results with an automatic pass/refer result evaluation.

It is also ideal for screening children who may be suffering from middle ear conditions, such as otitis media (glue ear) and other hearing loss disorders.

### Portability

Weighing only 380g (0.83lbs), the simple design allows for complete portability. Travelling audiologists can confidently provide reliable measurements in both mobile and clinic based audiological environments.

### Key features

Fast 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

Compact, lightweight and portable



Visit [www.amplivox.com/tympanometry/otowave-102-C](http://www.amplivox.com/tympanometry/otowave-102-C) to learn more about the features and benefits of the Otowave 102-C

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Technical specifications

## Tympanometry measurements

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

## Reflex measurements

|                     |                                                                                   |
|---------------------|-----------------------------------------------------------------------------------|
| Reflex frequencies: | 500Hz, 1kHz, 2kHz, 4kHz $\pm 2\%$ user-selectable                                 |
| Reflex dB range:    | 85 to 100 dBHL $\pm 3$ dB (5 or 10dB steps) Threshold measurement or single level |
| Measurement range:  | 0.01ml to 0.5ml $\pm 0.01$ ml                                                     |
| 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 USB cable to Amplisuite, Auditbase, Noah, OtoAccess® and other EMR systems |
| Languages:         | English, German, Italian, Spanish, French, Portuguese                          |

## Physical data

|                         |                               |
|-------------------------|-------------------------------|
| Power (battery pack):   | NiMH rechargeable battery     |
| Dimensions (L x W x H): | 230 x 115 x 70mm              |
| Weight:                 | 380g handset / 650g with dock |

## Safety and standards

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| Safety:    | IEC 60601-1 (plus UL, CSA & EN deviations) NiMH rechargeable battery |
| EMC:       | IEC 60601-1-2                                                        |
| Impedance: | 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)
- Spare probe tips and gaskets
- Charging docking station
- Carry case
- Manual & software (available via website download)
- USB cable (PC connection)

## Optional equipment

- Portable printer
- 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.

EN-ASS20-V3