amplivox

For everyone

Otowave
302 & 302+
Diagnostic tympanometers

Diagnostic tympanometers that provide fast and accurate middle ear measurements for all age groups, including neonates. Ideal for audiology, ENT, and hearing care professionals who require customised measurements and data transfer.

Extended functionality

The Otowave 302 includes the perfect array of tests to identify the most common middle-ear pathologies, including 226Hz tympanometry, ipsilateral and contralateral reflex testing.

The Otowave 302+ features extensive functionality which can be user-defined:

- Probe tone impedance measurements at 226Hz and 1000Hz (scalar, vector, and component measurements; admittance (Y), susceptance (B), and conductance (G))
- Range of ipsilateral and contralateral reflex test measurements at 500Hz, 1kHz, 2kHz and 4kHz
- Six configurable test profiles designed to standardise sessions and reduce test times

There are three profiles for adults, children, and neonates, plus three additional customisable profiles based on user requirements.

Designed for small ears

With a probe specifically designed for small ear canals, middle-ear measurements for neonates and children can be conducted with speed and accuracy. Diagnostic information is displayed via the large LCD display during and after the automatic test.

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.

Portability

Weighing only 760g (1.67lbs), the elegant design allows for complete portability. The Otowave 302 and 302+ are ideal for mobile use as well as clinical environments where space is at a premium, and the compact nature is ideal for when desk space is limited.

Key features
Fast and accurate impedance measurements
Intuitive use / real time display
226Hz or 1000Hz tympanometry (302+)
Optimised, user-selectable measurement speeds
Ipsilateral and contralateral reflex tests
Six user-configured test protocols (302+)
Easy to read graphics display
Internal memory, PC connectivity and optional portable printer

2 Year Warranty

Visit www.amplivox.com/tympanometry/otowave-302 to learn more about the features and benefits of the Otowave 302

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

Otowave 302 & 302+

Diagnostic tympanometers

Technical specifications

Tympanometry measurements

Probe tone level:	226Hz ±2%, 85dBSPL ±2 dB 1000Hz ±2%, 79dBSPL ±2dB (302+ only)
Pressure range:	+200daPa to -400daPa ±10daPa or ±10% (whichever is greater)
Direction of sweep:	Positive to negative
Volumetric range:	226Hz: 0.2ml to 5ml ±0.1ml or ±5% (whichever is greater) 1000Hz: 0.1ml to 5ml ±0.1ml or ±5% (whichever is greater)
Sweep speeds:	Selectable: 100, 200 or 300daPa/sec
Analysis performed:	Admittance peak level in ml (226Hz) or mΩ (1000Hz) & pressure at peak, gradient in daPa (for 226Hz) and ear canal volume (ECV) @ 200daPa

Reflex measurements

Reflex type:	Ipsilateral, contralateral or both
Reflex frequencies:	Ipsilateral and contralateral: 500Hz, 1kHz, 2kHz & 4kHz (±2%) user-selectable
Reflex levels:	Ipsilateral: 70dBHL to 100dBHL ±3dB (5 or 10dB steps) Contralateral: 70dBHL to 110dBHL ±3dB (5 or 10dB steps) Threshold measurement or single level
Reflex detection threshold:	0.01ml to 0.5ml ±0.01ml (configurable in 0.01ml steps)
Analysis performed:	Reflex maximum amplitude and pass/fail at each test level

Data management

Internal database:	36 patient records
Optional printer:	Thermal printer
Data transfer:	Via USB cable to Amplisuite, Noah, OtoAccess® and other EMR systems
Languages:	English, German, Italian, Spanish, French, Portuguese

Physical data

Power:	Mains: 100-240Vac; 50/60Hz (approved to medical safety standards)
Dimensions (L x W x H):	Base unit: 270 x 175 x 70mm Probe: 130 long x 25mm diameter
Weight:	Base unit: 760g Probe: 115g (including connecting cable)

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
- Contralateral transducer
- Test cavities (4)
- Spare probe tips and gaskets
- Power supply with country adaptors
- Carry case
- USB cable (PC connection)
- Manual & software (available via website download)

Optional equipment

- Portable printer
- Eartips
- USB portable power bank
- 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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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.

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