amplivox

For everyone

Otowave 202 & 202H

Handheld diagnostic tympanometers

Handheld diagnostic tympanometers that provide fast and accurate middle ear measurements in all age groups including neonates. The ideal choice for audiology, ENT and hearing care professionals who require a portable tympanometer for both mobile and clinical test settings.

Comprehensive testing

The Otowave 202 and 202-H offer a wide range of test functionality to ensure testing requirements can not only be met, but exceeded.

The Otowave 202 provides 226Hz probe tone impedance measurements while the 202-H features a more comprehensive range of diagnostic test functions including user defined 226Hz and 1000Hz probe tone impedance measurements.

The high frequency testing option of 1000Hz tympanometry makes this device ideal for assessing new-borns.

Both devices offer a user programmable range of both ipsi and contralateral reflex test measurements at 500Hz, 1kHz, 2kHz and 4kHz.

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 display during and after the user defined measurement routine.

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.

Portability

Weighing only 430g (with batteries), the simple design allows for complete portability. Powered by AA batteries or via mains power, the Otowave 202 is ideal for mobile use or in a static clinical setting where space is at a premium.

Key features
Designed for handheld and desktop use
Mains and battery power functionality
226Hz probe tone
1kHz probe tone (202-H option)
Enhanced Ipsilateral and contralateral reflex frequencies (0.5, 1, 2 and 4kHz)
Auto pass/refer evaluation
User selectable measurement speeds
Internal memory, connection to portable printer and/or PC

3 Year Warranty

Visit www.amplivox.com/tympanometry/otowave-202 to learn more about the features and benefits of the Otowave 202

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

Otowave 202 & 202-H

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Technical specifications

Tympanometry measurements

Probe tone level:	226Hz ±2%, 85dB SPL ±2 dB 1000Hz ±2%, 79dBSPL ±2dB (202-H 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:	18 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) Batteries: 4 x AA (either Alkaline or NiMH, the latter recharged external to the instrument)
Dimensions (L x W x H):	Base unit: 190 x 85 x 40mm Probe: 130 long x 25mm diameter
Weight:	Base unit: 330g (without batteries, using mains power); 430g (with batteries), 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
- AA batteries (4)
- Carry case
- Power supply with country adaptors
- USB cable (PC connection)
- Manual & software (available via website download)

Optional equipment

- Portable printer
- Rechargeable batteries
- Eartips
- Power Bank USB cable
- 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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