



For everyone



Otowave 302 & 302+

Diagnostic tympanometers

Diagnostic tympanometers that provide fast and accurate middle ear measurements for all age groups, including infants. Ideal for audiology, ENT, and hearing care professionals who require customized 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 standardize sessions and reduce test times

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

Designed for small ears

With a probe specifically designed for small ear canals, middle-ear measurements for newborns 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 and OtoAccess®. This enables the seamless transfer of results and data for exceptional workflow efficiency.

Portability

Weighing only 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+) |
| Optimized, 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 |



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

www.amplivox.com | 888 941 4208 | hello@amplivox.com

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Diagnostic tympanometers

Technical specifications

Tympanometry measurements

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

Reflex measurements

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

Data management

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

Physical data

| | |
|-------------------------|---|
| Power: | Wall power: 100-240Vac; 50/60Hz (approved to medical safety standards) |
| Dimensions (L x W x H): | Base unit: 10.6 x 6.8 x 2.7in Probe: 5.1 long x 0.9 diameter |
| Weight: | Base unit: 1.67lbs Probe: 0.25lbs (including connecting cable) |

Safety and standards

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|--------------|--|
| 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

- Sanibel Supply® printer
- Eartips
- Power Bank USB cable
- OtoAccess® database



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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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