The results will be displayed graphically in high resolution on a large easy to read graphic screen and can be internally stored or transferred to a PC where the results can be stored in the AVANT impedance module.

With Otowave Tymp tests can be completed with confidence and accuracy.

**Wireless handheld Tympanometers**

The MedRx 102 and 202 Otowave Tympanometers form a comprehensive range of screening and diagnostic Tympanometers

**MedRx Otowave Tymp**

- Fast and accurate middle ear measurement
- Programmable 4-frequency reflex tests
- PC-Interface
- Large, high resolution display
- Lightweight and portable
- Ergonomic design
- NOAH™ compatible
- MedRx AVANT™ compatible
MedRx Tympanometry
Otwave 102

MedRx Otwave Tymp 102-4

HANDHELD SCREENING TYPANOMETRY
This wireless handheld Tympanometer with large screen provides 226 Hz probe tone impedance measurement including 4 acoustic reflex frequencies. Results are stored internally (up to 20 records). All data can be transferred to PC via MedRx software module and IR dongle. The software is NOAH™ compatible.

FEATURES
- Fast and accurate IPSI-lateral middle ear measurement
- Lightweight and portable, ergonomic design
- PC-Interface (IR dongle)
- Large, high resolution screen
- Programmable 4-frequency reflex tests; 500, 1000, 2000 and 4000 Hz
- Supplied in a convenient carrying case
- NOAH™ compatible

STANDARD ACCESSORIES 102-4
- IR-Dongle
- Test Cavities
- 4 x 1,5 V Alkaline „AA“ batteries
- Set of disposable ear-tips
- Carrying Case, Operating manual
MedRx Tympanometry
Otowave 202

MedRx Otowave Tymp 202 / 202-H

FUNCTIONALITY
There are two versions of the Otowave 202 available:
The standard Otowave 202 provides 226 Hz probe tone impedance measurements together with a user programmable range of both ipsi and contra lateral reflex test measurements at 500 Hz, 1 kHz, 2 kHz and 4 kHz.
The Otowave 202-H option features a comprehensive range of test functions including user defined 226 Hz and 1000 Hz probe tone impedance measurements and a user programmable range of both ipsi and contra lateral reflex test measurements at 500 Hz, 1 kHz, 2 kHz and 4 kHz.

ADVANCED TYMPANOMETRY
The Otowave 202 provides fast, objective middle ear measurements to assist with the identification of middle ear disorders in neonates, children and adults. When using the Otowave 202 in 226 Hz probe tone mode, the compliance peak, compliance peak pressure, gradient and ear canal volume can be measured within seconds.

When using the Otowave 202-H option in 1000 Hz probe tone mode, users can easily select a preferred display by simply pressing the probe function key to switch between:
- Scalar mode: a traditional admittance tympanogram, as above (Y only compensation)
- Vector mode: a tympanogram displaying B-G compensation
- Component mode: the separate admittance (Y), susceptance (B) and conductance (G) measurements are displayed for clinical review. The ear canal volume is displayed whichever 1000Hz mode is selected.

FEATURES
- Ipsi and contra lateral middle ear measurement
- Lightweight and portable
- External probe, 226 Hz and 1000 Hz (202-H) probe tone
- Large, high resolution screen
- Data transfer to PC via USB cable
- Programmable 4-frequency reflex tests; 500, 1000, 2000 and 4000 Hz
- Scalar mode: a traditional admittance tympanogram, (Y only compensation)
- Vector mode: a tympanogram displaying B-G compensation
- Separate admittance (Y), susceptance (B) and conductance (G) measurements are displayed for clinical review
- Supplied in a convenient carrying case
- NOAH™ compatible

STANDARD ACCESSORIES
202 / 202-H
- Test Cavities
- 4 x 1,5 V Alkaline „AA“ batteries
- Contralateral transducer
- Set of disposable ear-tips
- Carrying Case
- MedRx impedance module NOAH™
- USB cable, Mains adapter,
Operating manual
About MedRx

MedRx, Inc. is a U.S. based global manufacturer and developer of advanced computerized diagnostic and hearing instrument fitting technologies, specifically designed for the hearing care professional.


Specs

MedRx Otowave Tymp 102/202

Welcome to the New Generation.

Technical Specifications

<table>
<thead>
<tr>
<th>MedRx Otowave Tymp 102-4</th>
<th>MedRx Otowave Tymp 202/-H</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TYMPANOMETRY MEASUREMENTS</strong></td>
<td>Probe Tone Levels:</td>
</tr>
<tr>
<td>226 Hz ± 2%, 85 dB SPL ± 2 dB, over range 0.2 ml to 5 ml</td>
<td>226 Hz ± 2%, 85 dB SPL ± 2 dB, 1000 Hz ± 2%; 79 dB SPL ± 2 dB (202-H only) over ear canal volume range</td>
</tr>
<tr>
<td><strong>PRESSURE RANGE</strong></td>
<td>+200 daPa to -400 daPa ± 10 daPa</td>
</tr>
<tr>
<td>+200 daPa to -400 daPa ± 10 daPa</td>
<td>+200 daPa to -400 daPa ± 10 daPa (whichever is larger) over range 0.1 ml to 5 ml</td>
</tr>
<tr>
<td><strong>EAR VOLUME MEASUREMENT RANGE</strong></td>
<td>0.2 ml to 5 ml ± 0.01 ml or 10% (whichever is larger) over entire range</td>
</tr>
<tr>
<td>0.2 ml to 5 ml ± 0.01 ml or 10% (whichever is larger) over entire range</td>
<td>226 Hz: 0.2 ml to 5 ml; 1000 Hz: 0.1 ml to 5 ml ± 0.1 ml or ± 5% (whichever is larger)</td>
</tr>
<tr>
<td><strong>REFLEX MEASUREMENTS</strong></td>
<td>Reflex levels: Ipsilateral: 70 dBHL to 110 dBHL (±3 dB)</td>
</tr>
<tr>
<td>Reflex levels: Ipsilateral: 70 dBHL to 110 dBHL (±3 dB)</td>
<td>Contralateral: 70 dBHL to 110 dBHL (±3 dB)</td>
</tr>
<tr>
<td><strong>REFLEX MEASUREMENT RANGE</strong></td>
<td>0.01 ml to 0.5 ml ± 0.01 ml or 10% (whichever is larger) over entire range</td>
</tr>
<tr>
<td>0.01 ml to 0.5 ml ± 0.01 ml or 10% (whichever is larger) over entire range</td>
<td>0.01 ml to 0.5 ml ± 0.01 ml or 10% (whichever is larger) over entire range</td>
</tr>
<tr>
<td><strong>STANDARDS</strong></td>
<td>Safety IEC 60601-1; EMC IEC 60601-1-2</td>
</tr>
<tr>
<td>Safety IEC 60601-1; EMC IEC 60601-1-2</td>
<td>Safety IEC 60601-1; EMC IEC 60601-1-2</td>
</tr>
<tr>
<td>Impedance IEC 60645-5 Type 2 Tympanometer ANSI S3.39</td>
<td>Impedance IEC 60645-5 Type 2 Tympanometer ANSI S3.39</td>
</tr>
<tr>
<td>Compliance with EU Medical Device Directive</td>
<td>Complies to EU Medical Device Directive</td>
</tr>
<tr>
<td><strong>POWER</strong></td>
<td>Battery 4 x Alkaline AA cells or 4 x NiMH (&lt; = 2.3 Ah) rechargeable</td>
</tr>
<tr>
<td>Battery 4 x Alkaline AA cells or 4 x NiMH (&lt; = 2.3 Ah) rechargeable</td>
<td>Maui: 100-240 VAC; 50/60 Hz via mains adapter (approved in medical safety standards); Batteries: 4 x AA (either Alkaline or NiMH, the latter rechargeable external to the instrument</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>Approx. 21 x 8 x 4 cm</td>
</tr>
<tr>
<td>Approx. 21 x 8 x 4 cm</td>
<td>Base unit: 19 x 8.5 x 4 cm (excluding connections)</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>380 Gram</td>
</tr>
<tr>
<td>380 Gram</td>
<td>Base unit: 330 g (without batteries, using mains power), 430 g (with batteries), Probe: 110 g (incl. connecting cable)</td>
</tr>
</tbody>
</table>

AVANT™ is a Trademark of MedRx

Distributed by: