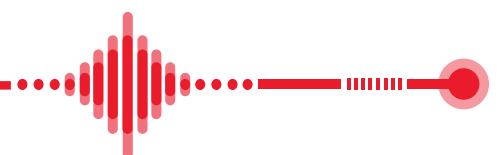


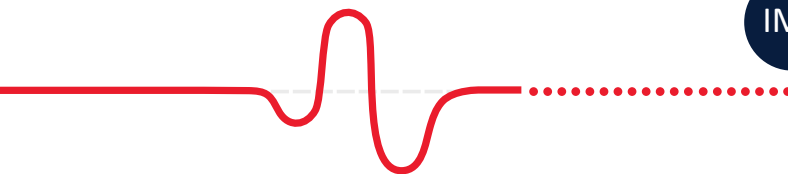


**Otowave 302/302+**  
Compact desktop  
tympanometers for a wide  
range of testing options

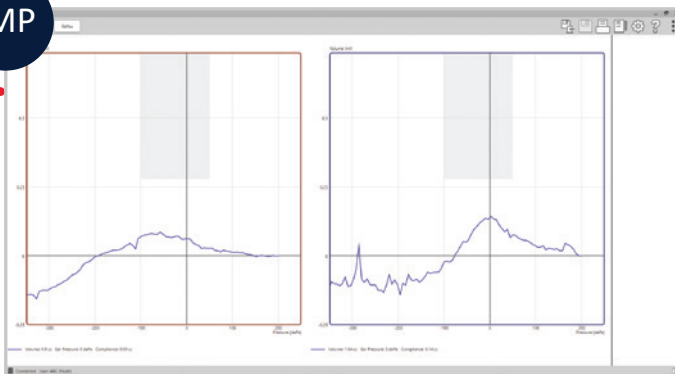
## Comprehensive Desktop Tympanometers

The Otowave 302/302+ offer fast and accurate middle ear measurements for all ages. Test with confidence and accuracy with PC-connectivity and optional user-configurable patient profiles.





IMP



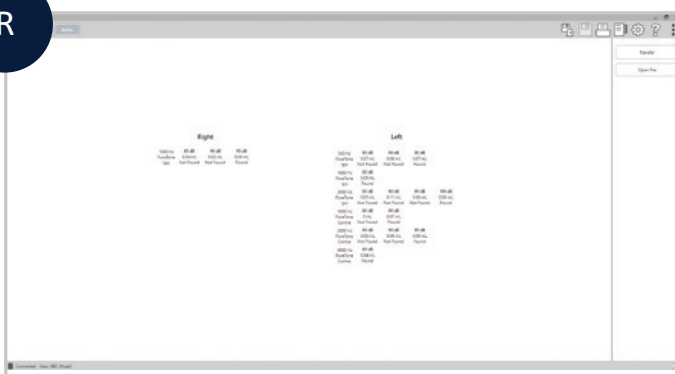
### Tympanometry

This function provides clear graphic and numeric displays of tympanogram and acoustic reflex data.

### Tymp 302/302+ Standard Accessories

- Eartip Selection Box
- Contralateral Transducer
- Test Cavities (4)
- Spare Probe Tips and Gaskets
- Power Supply with Country Adaptors
- Carrying Case
- USB Cable
- Manuals and Software

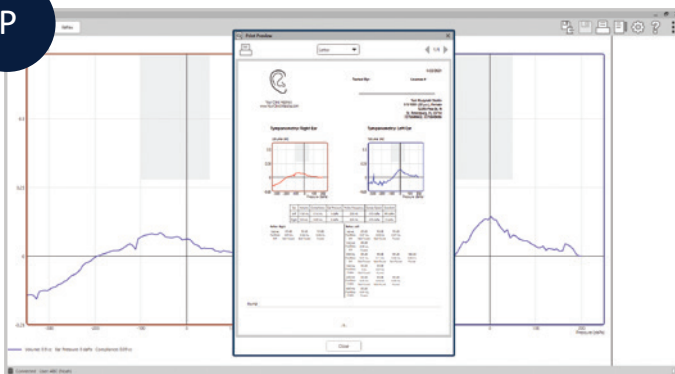
R



### Reflex Results

View Reflex results easily inside the Studio software's IMP module.

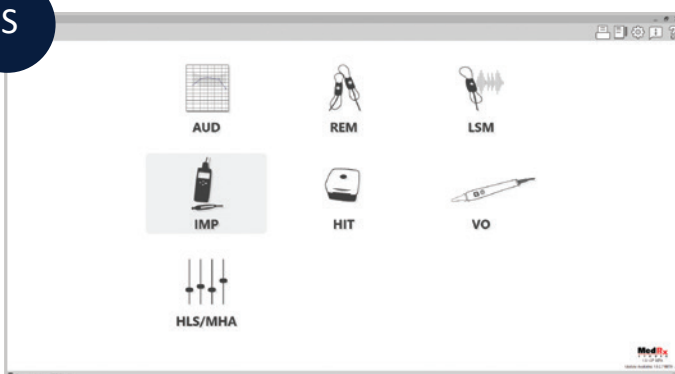
P



### Print Templates

Print out the results of your test to give to the patient.

S



### Studio Software

The Tymp Module is part of the New MedRx Studio Software suite.



Optional portable thermal printer available.

# MedRx Otowave 302 and 302+ Tympanometers

- Compact design with a graphic LCD display
- 226Hz probe tone or 1000Hz probe tone (302+) with admittance, susceptance and conductance measurements (YBG)
- Live tymp display - measurements shown in real time
- Ipsilateral and contralateral reflex frequencies (0.5, 1000, 2000, & 4000Hz)
- Auto pass/refer evaluation (ear canal volume)
- Fast and accurate impedance measurements
- Intuitive use/ real time display
- Optimized, user-selectable measurement speeds
- Six user-configured test protocols (302+)
- Internal memory, PC connectivity and optional portable printer

## **Otowave 302 Standard Diagnostic Desktop Tympanometer**

The 302 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, 1000 Hz, 2000 Hz and 4000 Hz.

## **Otowave 302+ Standard Diagnostic Desktop Tympanometer**

The 302+ 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, 1000 Hz, 2000 Hz and 4000 Hz.

In addition to these features the 302+ also has 6 additional programmable patient profiles, allowing for faster testing.



The Otowave 302 and 302+ tympanometers offer clinicians a wide range of testing options for all ages.



# Otowane Tympanometer

## Technical Specs

### Tymp 302 - 302+

**Analysis Performed:** Compliance peak level (in ml), Ear canal volume (ECV) at 200 daPa or -400 daPa, Ipsilateral reflex or  $\pm 10$  daPa or  $\pm 10\%$  (whichever is larger) over range 0.1 ml to 6 ml

**Probe Tone Levels:** 226 Hz  $\pm 2\%$ , 85 dB SPL  $\pm 2$  dB; 1000Hz  $\pm 2\%$ , 79 dB SPL  $\pm 2$  dB (302-H only) over ear canal volume range

**Pressure Levels:** +200 daPa to -400 daPa,  $\pm 10$  daPa or  $\pm 10\%$  (whichever is larger) over range 0.1 ml to 6 ml

**Ear Volume Measurement Range:** 226 Hz: 0.2 ml to 6 ml; 1000 Hz: 0.1 ml to 6 ml  $\pm 0.1$  ml or  $\pm 5\%$  (whichever is larger)

**Ipsilateral Reflex Tone Levels:** 500 Hz; 1000 Hz, 2000 Hz, 4000 Hz, Frequency  $\pm 2\%$ , Configurable over range 70 dB to 100 dB HL (4,000 Hz restricted to 95 dB HL)\*  $\pm 2$  dB, referenced to 2 ml calibration volume, compensates for measured ear volume

\*2kHz level is restricted to maximum 95dBHL for ear canal volumes greater than ~3.5ml

**Contralateral Reflex Tone Levels:** 500 Hz; 1000 Hz, 2000 Hz, 4000 Hz, Frequency  $\pm 2\%$ , Configurable over range 70 dB to 110 dB HL

(4,000 Hz restricted to 95 dB HL)\*  $\pm 2$  dB, referenced to 2 ml calibration volume, compensates for measured ear volume

\*2kHz level is restricted to maximum 105dBHL for ear canal volumes greater than ~3.5ml

**Reflex Measurement Range:** 0.01 ml to 0.5 ml  $\pm 0.01$  ml configurable in 0.01 ml steps

**Power: Mains:** 100-240 V AC; 50/60 Hz via mains adapter (approved in medical safety standards)

**Dimensions:** Base Unit: 270 x 60 x 165 mm / 10.63 x 2.36 x 6.49 inch (excluding connections), Probe: 130 x 25 mm / 5.11 x 0.98 inch

**Weight:** Base unit: 760 g / 1.68 lbs, Probe: 115 g / 0.25 lbs

### MedRx Minimum Computer Specs:

Windows® PC compatible computer, Intel™ i5, 2.0 GHz or better. 4 GB RAM. 20 GB free hard drive space. Available 2.0 USB Port. Windows 10 or 11 Professional, Compatible with 3.0 USB.



Good Things Come in Small Packages

### MedRx International

DGS Diagnostics Sp. z o.o.

Rosówek 43

72-001 Kołbaskowo, Poland

Phone: +48 91 835 63 00

Email: [orders@medrx-diagnostics.com](mailto:orders@medrx-diagnostics.com)

[www.medrx-diagnostics.com](http://www.medrx-diagnostics.com)

Distributed by:



The 302+ offers six configurable patient profiles for faster middle ear measurements.

MX-TYMP-INTDS-2 Rev. 4

