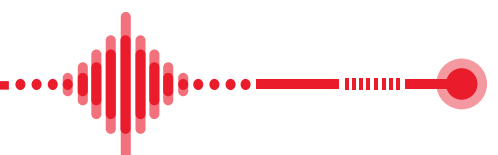




**Otowave Tymps**  
Noah Compatible

## Wireless, Hand-Held Tympanometers

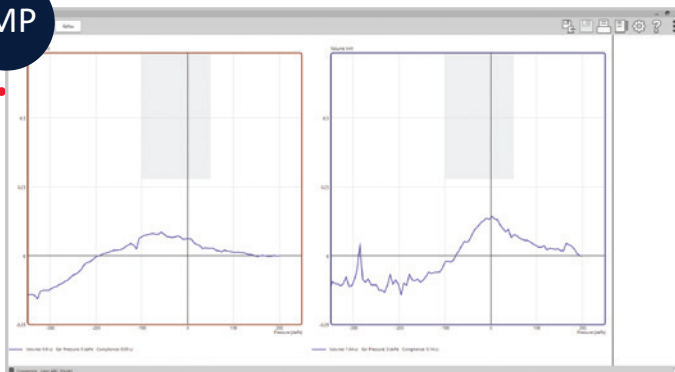
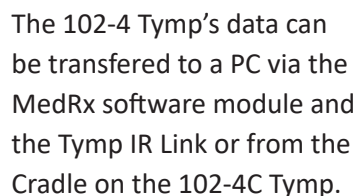
The MedRx Otowave 102-4, 102-4C, 202 and 202H form a comprehensive range of screening and diagnostic Tympanometers.



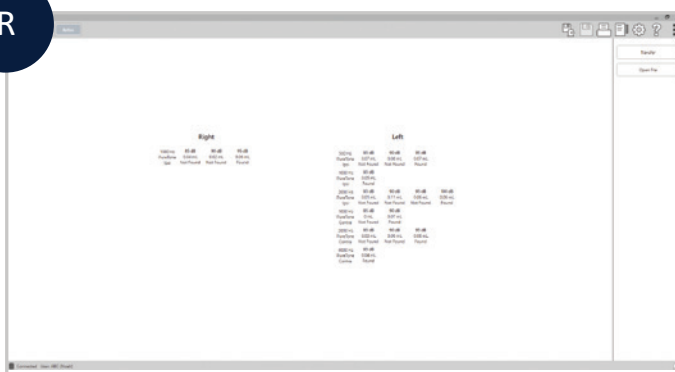


- IR Dongle (102-4)
- Charging Cradle (102-4C)
- Test Cavities
- 4 - AA Batteries
- Set of Disposable Ear Tips
- Software & Manuals
- Carrying Case

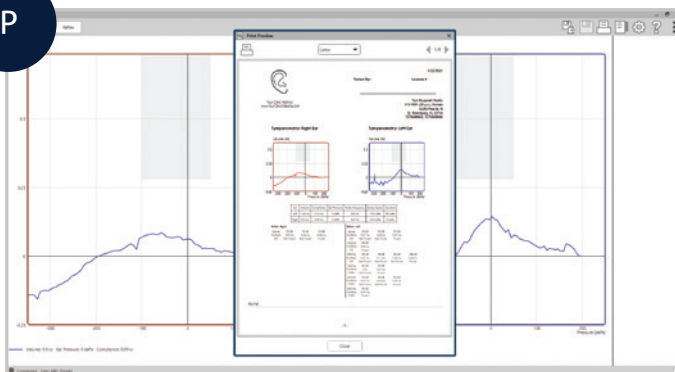
- Test Cavities
- 4 - AA Batteries
- Contralateral Transducer
- USB Cable
- Set of Disposable Ear Tips
- Software & Manuals
- Carrying Case



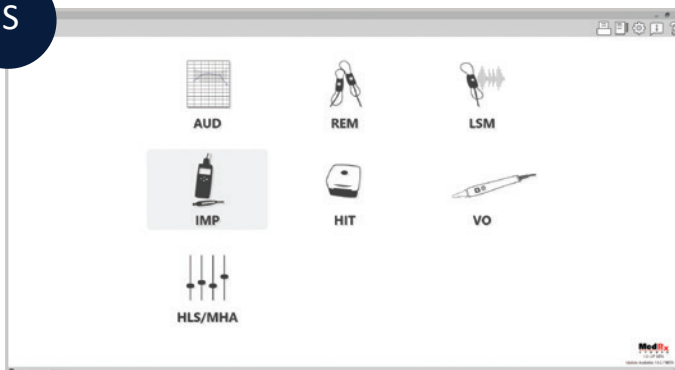
This function provides clear graphic and numeric displays of tympanogram and acoustic reflex data.



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



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



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

# MedRx Otowave 102, 102C, 202 and 202H Tympanometers

- Fast, accurate middle ear measurements
- Programmable 4-Frequency reflex tests
- PC Interface; Noah and MedRx Impedance module
- Ergonomic design lightweight & portable
- Data Transfer to a PC via the MedRx software module and IR dongle or from the charging cradle/data transfer base

## Otowave 102-4 Screening Tympanometry

This wireless hand-held Tympanometer with large screen provides 226 Hz probe tone impedance measurement including 4 acoustic reflex frequencies. Results are stored internally (up to 30 records). All data can be transferred to a PC via the MedRx software module and IR dongle.

## Otowave 102-4C Screening Tympanometry

A handheld screening tympanometer with a custom cradle for both instrument charging and test data transfer.

**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 202H** option features a comprehensive range of test functions including user defined 226 Hz and 1 kHz 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.





# Otowave Tympanometer

## Technical Specs

### Tymp 102-4 & 102-4C

**Analysis Performed:** Compliance Peak Level (in ml), Ear Canal Volume (ECV) At 200 daPa, Ipsilateral Reflex

**Probe Tone Levels:** 226 Hz  $\pm$  2%, 85 dB SPL  $\pm$  2 dB. Over Range 0.2 ml To 5 ml

**Pressure Levels:** +200 daPa To – 400 daPa.  $\pm$  10 daPa

**Ear Volume Measurement Range:** 0.2 ml To 5 ml  $\pm$  0.1 ml Or  $\pm$  10% (Whichever Is Larger) Over Entire Range

**Reflex Tone Levels:** 500 Hz, 1 kHz, 2 kHz, 4 kHz Frequency  $\pm$  0.1%, Configurable Over Range 85 dB to 100 dB HL (Programmable In 5 – 10 dB Steps)

**Reflex Measurement Range:** 0.01 ml To 0.5 ml  $\pm$  0.01 ml Configurable In 0.01 ml Steps

**Power:** Battery Specification: 4 Alkaline AA Cells Or 4 NiMH Rechargeable

**Dimensions:** Approx. 21 cm x 8 cm x 4 cm (L x W x H)

**Weight:** 380 g

**Standard Accessories:** IR Dongle (102-4), Charging/Transfer Base (102-4C), Test Cavities, 4 AA Batteries, Set Of Disposable Eartips, Software & Manuals, Carrying Case

### Tymp 202 & 202H

**Analysis Performed:** Compliance Peak Level (In ml), Ear Canal Volume (ECV) At 200 daPa, Ipsilateral Reflex Or  $\pm$  10 daPa Or  $\pm$  10% (Whichever Is Larger) Over Range 0,1 ml To 5 ml

**Probe Tone Levels:** 226 Hz  $\pm$  2%, 85 dB SPL  $\pm$  2 dB 1000Hz  $\pm$  2%; 79

dB SPL  $\pm$  2 dB (202-H Only) Over Ear Canal Volume Range

**Pressure Levels:** +200 daPa To – 400 daps.  $\pm$  10 daPa Or  $\pm$  10% (Whichever Is Larger) Over Range 0,1 ml 5 ml

**Ear Volume Measurement Range:** 226 Hz: 0.2 ml To 5 ml; 1000 Hz: 0.1 ml To 5 ml  $\pm$  0,1 ml Or  $\pm$  5% (Whichever Is Larger)

**Reflex Tone Levels:** 500 Hz, 1 kHz, 2 kHz, 4 kHz Frequency  $\pm$  2%, Configurable Over Range 70 dB To 100 dB HL (4 kHz Restricted To 95 dB HL)  $\pm$  2 dB, Referenced To 2 ml Calibration Volume; Compensates For Measured Ear Volume

**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); Batteries: 4 x AA (Either Alkaline Or NiMH, The Latter Recharged External To The Instrument)

**Dimensions:** Base Unit: Approx. 19 cm x 8 cm x 4 cm (L x W x H) Probe: 13 cm x 2.5 cm (Max.) Diameter

**Weight:** Base Unit: 330 g (Without Batteries, Using Mains Power), 430 g (With Batteries) Probe: 110 g (Incl. Connecting Cable)

**Standard Accessories:** Test Cavities, 4 AA Batteries, Contralateral Transducer, USB Cable, Set Of Disposable Ear Tips, Software & Manuals, Carrying Case

### 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

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Distributed by:



Otowave Tymp Tests can be completed with confidence and accuracy.

MX-TYMP-INTDS-1 Rev. 5

