



touchTymp

Our ALL-TOUCH impedance line

# Simply intuitive middle ear testing

The touchTymp impedance line is designed to turn tympanometry into an intuitive, efficient and simple operation. Improve your daily work flow with a full 10.4" touchscreen and a user-friendly interface that allows an easy change of parameters.

## Focus on your patient

Experience full control of the tympanometry probe while concentrating on your patient. touchTymp's easy to handle probes feature unique light bars to provide a real-time progression of the test. To exactly match your needs, the different touchTymp versions come with distinctive probes. touchTymp MI 24 offers an ergonomic pen probe for screening tests. touchTymp MI 34 features a lightweight shoulder box for both screening and diagnostic purposes.



## Customization

Customize the touchTymp to show only the data you need in your preferred language (English, German, French or Spanish). The intuitive icons lead you through your data with very few touches and make it easy to compare a patient's measurements.

*"I think the touch screen is easy to use and the functionality is very intuitive. I honestly never looked at the instruction manual for guidance. It literally felt like, plug and play,"*  
D'Anne Rudden, Au.D, Colorado

## Middle ear testing for all ages

The touchTymp is designed to meet the diverse needs of all patients. Confidently perform screening and diagnostic tests for all age groups, newborn to older adult.



## Printing made easy

Save time by using the touchTymp built-in printer; just place the probe into its holder and it can automatically print test results instantly.



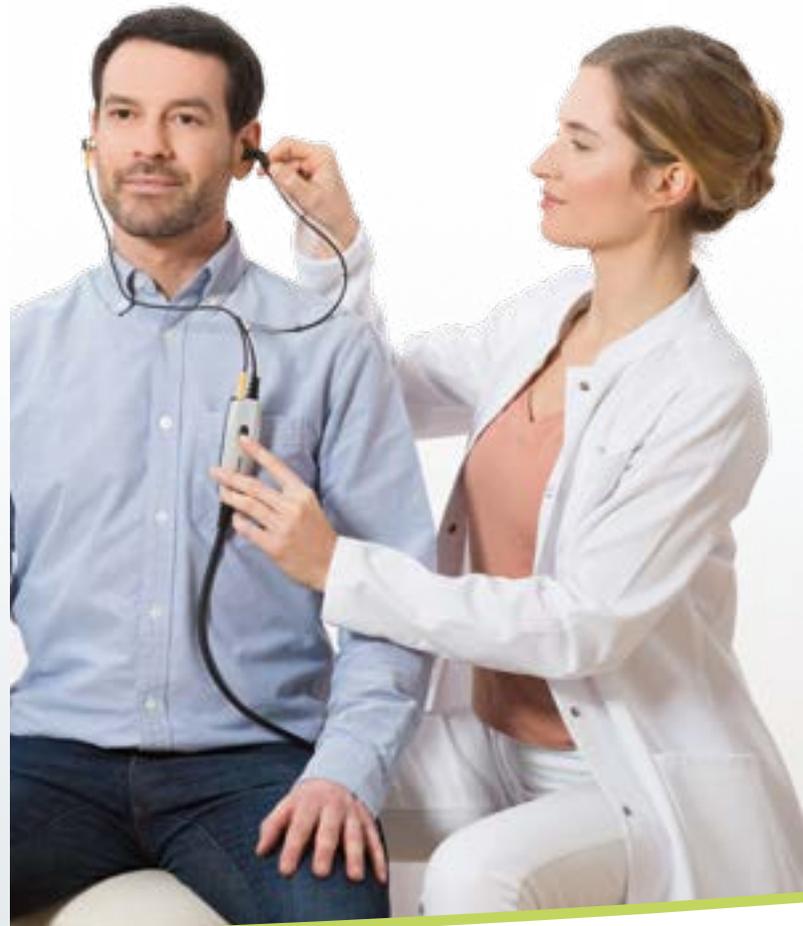


MI 34 Shoulder Box Probe

## Comprehensive test protocols

Our touchTymp line provides comprehensive standard protocols for immediate operation of screening and diagnostic test processes:

Tests	MI 24	MI 34
Tympanometry	√	√
226 Hz	√	√
678 Hz		√
800 Hz		√
1000 Hz	optional upgrade	optional upgrade
Acoustic Reflex	√	√
Fixed (Screening)	√	√
Automatic (Threshold)	√	√
Ipsilateral	√	√
Contralateral	optional upgrade	√
Puretone	√	√
Noise		√
Reflex Decay		√
Ipsilateral		√
Contralateral		√
ETF		√
ETF-Intact		√
ETF-Perforated		√



# Specifications

## touchTymp MI 24

### TYMPANOMETRY

<b>Probe Frequency</b>	226 Hz $\pm$ 1 %, 85 dB <sub>SPL</sub> $\pm$ 1.5 dB
<b>Optional High Frequency</b>	1 kHz $\pm$ 1%, 69 dB <sub>SPL</sub> $\pm$ 1.5 dB
<b>Pressure Range</b>	- 600 to + 400 daPa
<b>Accuracy of Pressure</b>	$\pm$ 5 % or $\pm$ 10 daPa
<b>Volume Range</b>	0.0 to 6.0 ml (compensated)
<b>Compliance Range</b>	0.1 to 8.0 ml at 226 Hz
<b>Accuracy of Volume</b>	$\pm$ 5 % or 0.1 ml
<b>Test Time</b>	3 - 5 seconds

### ACOUSTIC REFLEXES

<b>Test Frequencies</b>	0.5, 1, 2, 4 kHz $\pm$ 1 %
<b>Test Methods</b>	Ipsilateral, contralateral (optional)
<b>Level Ipsilateral</b>	70 to 105 dB <sub>HL</sub>
<b>Level Contralateral</b>	70 to 120 dB <sub>HL</sub>
<b>Level Setting</b>	Automatic, fixed
<b>Ipsilateral Reflex Test</b>	With AGC

### GENERAL

<b>Display</b>	10.4 in Graphic LED Display with resistive touchscreen
<b>PC Interface</b>	USB
<b>Probe</b>	Hand held screening pen probe (MI 24) Shoulder box diagnostic probe (MI 24, 34)
<b>Printer</b>	Fast 4 inch thermal printer
<b>Power Supply</b>	100 to 240 V~ $\pm$ 10%, 50 - 60 Hz $\pm$ 10%
<b>Dimensions</b>	11.81 in x 13.58 in x 5.83 in
<b>Weight</b>	7.1 lbs
<b>Language</b>	English, German, Spanish, French, Polish, Russian and Chinese

### STANDARD

ANSI/AAMI ES/IEC/EN 60601-1, class I, Type B;  
IEC 60645-5, Type 2; ANSI S3.39, Type 2  
Class IIa according to EU medical device directive 93/42/EEC



## touchTymp MI 34

### TYMPANOMETRY

<b>Probe Frequency</b>	678 Hz $\pm$ 1%, 72 dB <sub>SPL</sub> $\pm$ 1.5 dB 800 Hz $\pm$ 1%, 70.5 dB <sub>SPL</sub> $\pm$ 1.5 dB
<b>Compliance Range</b>	0.1 to 15.0 mmho at 678, 800 and 1000 Hz

### ACOUSTIC REFLEXES

<b>Test Methods</b>	Contralateral
<b>Test Noise</b>	BB, LP, HP

### REFLEX DECAY

<b>Standard</b>	Probe frequency 226 Hz
<b>Test frequencies</b>	0.5, 1, 2, 4 kHz $\pm$ 1%
<b>Test Noise</b>	BB, LP, HP
<b>Level Ipsilateral</b>	70 to 105 dB <sub>HL</sub>
<b>Level Contralateral</b>	70 to 120 dB <sub>HL</sub>

### EUSTACHIAN TUBE FUNCTION

<b>Test Methods</b>	Intact and perforated
<b>Pressure Range</b>	- 600 to + 400 daPa

### SANIBEL

We highly recommend to use Sanibel disposables in order to guarantee optimal test results.

**Sanibel™**

Specifications are subject to change without notice.



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