

## touchTymp MI 34

### Simply intuitive middle ear diagnostics

#### Additional evaluation possibilities for advanced testing

#### Features at a Glance

- Provides test results within seconds
- High resolution and quick screen transitions
- Full touch-based interface for intuitive handling
- Allows testing from newborns to adults
- Customizable to suit individual needs
- Innovative probe lights for patient-focused operation
- Probe tone 226 Hz, 678 Hz, 800 Hz
- Optional high-frequency probe tone 1 kHz
- Acoustic reflex stimuli 500 Hz, 1 kHz, 2 kHz, 4 kHz, BB, HP, LP (ipsilateral and contralateral)
- Reflex Decay test (ipsilateral and contralateral)
- ETF test for intact and perforated eardrums
- Built-in printer

#### Stay focused on your patients

The unique touchTymp light bar on our shoulder box probe provides a real time progression of the test. The shoulder box can easily be clipped to the patient for controlled handling of the diagnostic probe. Plus, light indicators show you which ear is tested and the test result.

#### MAICO Sessions\* for Easy Data Transfer

Sessions is an icon-based software providing workflow efficiencies and high-speed data management. Simply connect your device to a PC and transfer the patient session. Results may be saved in the optional OtoAccess® database, saved in your Noah database or printed to a PDF for storing in an EMR system.

\* Optional

#### Comprehensive test protocols

Our touchTymp MI 34 provides comprehensive standard protocols for immediate operation of screening and diagnostic test processes: tympanometry with 226 Hz, tympanometry with automatic acoustic reflexes or at a fixed level, reflex decay measurements and Eustachian Tube Function testing (ETF). The optional high frequency probe tone of 1 kHz is ideal for providing reliable results when testing newborns.

#### Printing made easy

Print test results and reports instantly by using the touchTymp built-in printer. Place the probe into its holder to automatically start the printing process - touchTymp really is that easy and intuitive.



# Technical Data

## TYMPANOMETRY

|                         |   |
|-------------------------|---|
| Probe Frequency         | 226 Hz ± 1 %, 85 dB <sub>SPL</sub> ± 1.5 dB<br>678 Hz ± 1%, 72 dB <sub>SPL</sub> ± 1.5 dB<br>800 Hz ± 1%, 70.5 dB <sub>SPL</sub> ± 1.5 dB |
| Optional High Frequency | 1 kHz ± 1%, 69 dB <sub>SPL</sub> ± 1.5 dB   |
| Pressure Range          | - 600 to + 400 daPa   |
| Accuracy of Pressure    | ± 5 % or ± 10 daPa  |
| Volume Range            | 0.0 to 6.0 ml (compensated)   |
| Compliance Range        | 0.1 to 8.0 ml at 226 Hz<br>0.1 to 15.0 mmho at 678, 800 and 1000 Hz   |
| Accuracy of Volume      | ± 5 % or 0.1 ml   |
| Test Time               | 3 - 5 seconds   |

## ACOUSTIC REFLEXES

|                         |                            |
|-------------------------|----------------------------|
| Test Frequencies        | 0.5, 1, 2, 4 kHz ± 1 %     |
| Test Noise              | BB, LP, HP                 |
| Test Methods            | Ipsilateral, contralateral |
| Level Ipsilateral       | 70 to 105 dB <sub>HL</sub> |
| Level Contralateral     | 70 to 120 dB <sub>HL</sub> |
| Level Setting           | Automatic, fixed           |
| Ipsilateral Reflex Test | With AGC                   |

## REFLEX DECAY

|                     |                            |
|---------------------|----------------------------|
| Standard            | Probe frequency 226 Hz     |
| Test Frequencies    | 0.5, 1, 2, 4 kHz ± 1 %     |
| Test Noise          | BB, LP, HP                 |
| Level Ipsilateral   | 70 to 105 dB <sub>HL</sub> |
| Level Contralateral | 70 to 120 dB <sub>HL</sub> |

## EUSTACHIAN TUBE FUNCTION

|                |                       |
|----------------|-----------------------|
| Test Methods   | Intact and perforated |
| Pressure Range | - 600 to + 400 daPa   |

## DEVICE GENERAL

|              |  |
|--------------|--|
| Display      | 10.4" Graphic LED display with resistive touchscreen                             |
| PC Interface | USB  |
| Probe        | Lightweight diagnostic shoulder box probe with built-in control light and switch |
| Printer      | Fast 4-inch thermal printer  |
| Power Supply | 100 to 240 V~ ± 10 %, 50 - 60 Hz ± 10 %  |
| Dimensions   | 11.81 in x 13.58 in x 5.83 in  |
| Weight       | 7.1 lbs  |
| Language     | English, German, Spanish, French   |



## 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

## STANDARD COMPONENTS

- Shoulder box probe
- Shoulder box adapter kit
- Shoulder box attachment kit
- Contra phone (IP30 or DD45 C)
- Built-in calibration cavity
- Built-in printer
- Roll of thermal paper
- Power supply
- Sanibel ear tip kit
- Probe floss kit
- Cleaning cloth
- Touchpen

## STANDARD COMPONENTS

- Carry case
- MAICO Sessions PC software kit
- OtoAccess

Specifications are subject to change without notice.

### Standard Components



touchTym with printer

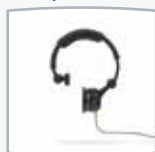


Shoulder box



Ear tip kit

### Contra Phone Options



DD45 C



IP30



MAICO Sessions PC Software



OtoAccess®

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**ONE YEAR LIMITED WARRANTY:** This warranty is extended to the original purchaser of the instrument, by MAICO, through the Distributor from whom it was purchased. The warranty covers defects in material and workmanship for a period of one year from date of invoice of the instrument to the original purchaser. Accessories which are purchased from MAICO at the same time as the instrument are also under warranty for one year from the date of invoice. For additional information contact your MAICO Distributor.