MAICO

touchTymp MI 34
Simply intuitive middle ear diagnostics

Additional evaluation possibilities for advanced testing

Improve your workflow every day

The touchTymp combines a full 10.4" touchscreen and a user-friendly designed interface for an intuitive operation. The large colour display allows the user to easily change parameters with a maximum of 3 clicks.

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 your patient's top for controlled handling of the diagnostic probe. Plus, light indicators show you which ear is tested and the test result.

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.

Compatible to Sessions: Get ready for fast data transfer!

Use the touchTymp MI 34 with our intuitive data transfer solution Sessions, for easy management and visualization of your immittance measurements.

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 infants 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
- Optional MAICO Sessions PC Software connectable with OtoAccess® or Noah patient database for easy data management

Technical Data touchTymp MI 34

TYMPANOMETRY

Probe Frequency	226 Hz ± 1 %, 85 dBSPL ± 1.5 dB
	678 Hz ± 1%, 72 dBSPL ± 1.5 dB
	800 Hz ± 1%, 70.5 dBSPL ± 1.5 dB
Optional High Frequency	1 kHz ± 1%, 69 dBSPL ± 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
	0.1 to 15.0 mmho at 678, 800
	and 1000 Hz
Accuracy of Volume	± 5 % or 0.1 ml
Test Time Measurement	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 dBHL
Level Contralateral	70 to 120 dBHL
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 dBHL
Level Contralateral	70 to 120 dBHL

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	Mains 100 to 240 V~ ± 10 %, 50 - 60 Hz ± 10 %
Dimensions / Weight	W 30 x D 34.5 x H 14.8 cm / 3.2 kg
Languages	English, German, Spanish, French, Polish, Turkish, Russian, 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

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STANDARD COMPONENTS

Shoulder-Box-probe, Shoulder-Box adapter kit, Shoulder-Box attachment kit, contra phone (DD45 C), built-in printer and roll of thermal paper, mains cable, Sanibel ear tip kit, probe floss kit, touchpen, operational manual, quick guide
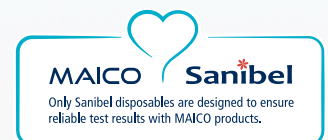
OPTIONAL SOFTWARE

MAICO Sessions PC Software, OtoAccess® Database, Noah Database

Standard Components

touchTymp with printer | Shoulder box | Ear tip kit | DD45 C

Optional Software

MAICO Sessions PC Software | OtoAccess® Database | Noah Database

SANIBEL

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

MAICO Sanibel
Only Sanibel disposables are designed to ensure reliable test results with MAICO products.

Specifications are subject to change without notice.