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_{SPL} ± 1.5 dB
	678 Hz ± 1%, 72 dB_{SPL} ± 1.5 dB
	800 Hz ± 1%, 70.5 dB_{SPL} ± 1.5 dB
Optional High Frequency	1 kHz ± 1%, 69 dB_{SPL} ± 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	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_{HL}
Level Contralateral	70 to 120 dB_{HL}
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_{HL}
Level Contralateral	70 to 120 dB_{HL}

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

CE 0123

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

touchTymp with printer

Shoulder box

Ear tip kit

STANDARD COMPONENTS

- Carry case
- MAICO Sessions PC software kit
- OtoAccess

Specifications are subject to change without notice.

Contra Phone Options

DD45 C

IP30

MAICO Sessions PC Software

OtoAccess®

MAICO Diagnostics
10393 West 70th Street
Eden Prairie, MN 55344, USA
Tel.: (888) 941-4201
Fax: (952) 903-4100
info@maico-diagnostics.com
www.maico-diagnostics.com/us

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.

853839 Rev B
12/2020