

touchTymp MI 24 RaceCar

Tympanometry for children has never been so exciting

A new generation of intuitive middle ear testing.

Features at a Glance

- Easy, fun middle ear testing for children
- Provides test results within seconds
- Allows testing from infants to adults
- Customizable to suit individual needs
- Full touch-based interface for intuitive handling
- Innovative probe lights allow for patient-focused operation
- Probe tone 226 Hz (optional 1000 Hz)
- Ipsi acoustic reflex 500 Hz, 1 kHz, 2 kHz, 4 kHz (optional contralateral)
- High resolution and quick screen transitions
- Built-in printer

Colorful animation keeps children focused

We make immittance testing easy and fast by focusing the child's attention on an exciting race car animation. The animation distracts the child and turns the test procedure into an engaging and fun experience: the start of a tympanometry or reflex screening becomes the start of a high-speed car race. This makes the screening procedure easier for you and more enjoyable for your little patients!

Quick and intuitive middle ear analysis

The touchTymp RaceCar is designed for efficient workflows: a light bar on the ergonomic probe provides real-time progression of the immittance test. With the large touchscreen, setting the parameters and switching between tests is fast and easy. Save time and effort by improving your workflows every day!

Comprehensive test protocols

The touchTymp MI 24 RaceCar provides comprehensive standard protocols for immediate operation of all screening test processes: tympanometry with 226 Hz, tympanometry with automatic acoustic reflexes, or tympanometry with acoustic reflexes at a fixed level. The optional high-frequency probe tone of 1 kHz is ideal for providing reliable results when testing newborns.

Printing made easy

Print test results instantly by using the touchTymp built-in printer. Place the probe into its holder to automatically start the printing process. You can transfer the results to a PC to allow long term storage, full page printout and PDF creation for EMR integration.



Technical Data

TYMPANOMETRY

Probe Frequency	226 Hz ± 1 %, 85 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 1 kHz (option)
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 Methods	Ipsilateral; optional contralateral
Level Ipsilateral	70 to 105 dB _{HL}
Level Contralateral	70 to 120 dB _{HL}
Level Setting	Automatic or fixed
Ipsilateral Reflex Test	With AGC

DEVICE GENERAL

Display	10.4" Graphic LED-Display with resistive touchscreen
PC Interface	USB
Probe	Lightweight hand-held 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" W x 3.58" D x 5.83" H
Weight	7.1 lbs
Language	English, German, Spanish, French, Polish, Turkish, Russian, Chinese, Italian

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

- Pen probe
- Built-in calibration cavity
- Sanibel ear tip kit
- Built-in printer
- Roll of thermal paper
- Power supply
- Probe floss kit
- MAICO USB flash drive kit
- MAICO software
- USB cable
- Cleaning cloth
- Touch pen
- Quick guide
- Operation manual

OPTIONAL ACCESSORIES

- Contralateral transducer DD45 C, IP30 C

Specifications are subject to change without notice.



Sanibel Supply



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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.