

# 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!

### 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

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 $\pm$ 1 %, 85 dB <sub>SPL</sub> $\pm$ 1.5 dB
Optional High Frequency	1 kHz $\pm$ 1%, 69 dB <sub>SPL</sub> $\pm$ 1.5 dB
Pressure Range	-600 to + 400 daPa
Accuracy of Pressure	$\pm$ 5 % or $\pm$ 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	$\pm$ 5 % or 0.1 ml
Test Time Measurement	3 - 5 seconds

## ACOUSTIC REFLEXES

Test Frequencies	0.5, 1, 2, 4 kHz $\pm$ 1 %
Test Methods	Ipsilateral; optional contralateral
Level Ipsilateral	70 to 105 dB <sub>HL</sub>
Level Contralateral	70 to 120 dB <sub>HL</sub>
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 $\pm$ 10 %, 50 - 60 Hz $\pm$ 10 %
Dimensions	11.81 in x 3.58 in x 5.83 in
Weight	7.1 lbs
Languges	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
- Cleaning cloth
- Touch pen
- Quick guide
- Operation manual

## OPTIONAL ACCESSORIES

- Contralateral transducer DD45 C, IP30 C
- MAICO Sessions PC software kit
- OtoAccess®

Specifications are subject to change without notice.

**Sanibel Supply**

<div style="background-color: #76b82a; color: white; padding: 5px; text-align: center; font-weight: bold;">Standard Components</div>			
	touchTym with printer	Pen Probe	Ear tip kit
	<div style="background-color: #5d6d7e; color: white; padding: 5px; text-align: center; font-weight: bold;">Optional Accessories</div>		
DD45 C		IP30 C	
	MAICO Sessions PC software	OtoAccess®	



## MAICO Diagnostics

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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.

## touchTymp MI 26 RaceCar

Tympanometry with audiometry for children has never been so exciting

Simply intuitive middle ear screener combined with audiometry

### Features at a Glance

- Combo device with small footprint
- Easy, fun middle ear testing for children
- Customizable to suit individual needs
- High resolution and quick screen transitions
- Full touch-based interface for intuitive handling
- Probe tone 226 Hz (optional 1000 Hz)
- Ipsi acoustic reflex 500 Hz, 1 kHz, 2 kHz, 4 kHz (optional contralateral)
- Air conduction audiometry (optional bone conduction)
- Built-in printer or data transfer to PC

### Colorful animation keeps children focused

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### Tympanometry with RaceCar



### Audiometry



### Improve your workflow every day

Our touchTymp MI 26 RaceCar combines fast screening tympanometry and audiometry tests in one exceptional device. The full 10.4" touchscreen with its user-friendly interface guarantees a unique intuitive operation and allows the user to quickly change parameters. You can easily switch between the tests without reorganizing from one to another device. Benefit from its small footprint when facing limited desk space. touchTymp MI 26 RaceCar really improves your workflow every day.

### Comprehensive test protocols

The touchTymp MI 26 RaceCar offers comprehensive standard protocols for immediate operation of all screening test processes: tympanometry with 226 Hz, tympanometry with automatic or fixed acoustic reflexes and audiometry (air conduction and optional bone conduction). 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 <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 0.1 to 15.0 mmho at 1 kHz (optional)
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 <sub>HL</sub>
Level Contralateral	70 to 120 dB <sub>HL</sub>
Level Setting	Automatic or fixed
Ipsilateral Reflex Test	With AGC

## AUDIOMETRY

Test Signals	Pure tone and warble tone (pulsed and continuous)
Test Frequencies	125, 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, 8000 Hz (125 Hz excluded from bone conduction test frequencies)
Level Steps	5 or 1 dB
Hearing Level Range AC	-10 to 120 dB <sub>HL</sub>
Hearing Level Range BC	-10 to 80 dB <sub>HL</sub>
Masking Noise (included with BC option only)	Narrow band and white noise

## 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 in x 3.58 in x 5.83 in
Weight	7.1 lbs
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- IEC 60645-5, Type 2/ IECANSI S3.39, Type 2
- IEC 60645-1, Type 3/ ANSI S3.6, Type 3
- Class IIa according to EU medical device directive 93/42/EEC



## STANDARD COMPONENTS

- Pen probe
- DD45 with RE7 headband
- Patient response switch
- Mic-monitor headset
- Built-in calibration cavity
- Built-in printer
- Roll of thermal paper
- Power supply
- Sanibel ear tip kit
- Touchpen
- USB cable
- MAICO USB flash drive kit
- Probe floss kit
- Cleaning cloth
- MAICO software
- Quick guides
- Operation manual

## OPTIONAL ACCESSORIES

- Tympanometry contralateral transducer (DD45 C, IP30 C)
- Talk back microphone

Standard Components				
	touchTymp with printer	Pen Probe	DD45	Ear tip kit
	Optional Components			
		DD45 C (Tympanometry)	B71 (Audiometry)	IP30 C

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