

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)
- Ipsilateral 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

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!

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 \pm 1 %, 85 dB _{SPL} \pm 1.5 dB
Optional High Frequency	1 kHz \pm 1 %, 69 dB _{SPL} \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 (optional)
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 _{HL}
Level Contralateral	70 to 120 dB _{HL}
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 _{HL}
Hearing Level Range BC	-10 to 80 dB _{HL}
Masking Noise	Narrow band and white noise (included with BC option only)

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 \sim \pm 10 %, 50 - 60 Hz \pm 10 %
Dimensions	11.81" W x 3.58" D x 5.83" H
Weight	7.1 lbs
Languages	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/ 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 HB7 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				
	touchTym with printer	Pen Probe	DD45	Ear tip kit
	Optional Components			
		DD45 C (Tympanometry)	B71 (Audiometry)	IP30 C

Specifications are subject to change without notice.



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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.