

touchTymp MI 36

Tympanometry & Audiometry in One Device

Simply Intuitive Middle Ear Diagnostics with AC & BC Audiometry

Improve Your Workflow Every Day

Our touchTymp MI 36 combines diagnostic middle ear analyzer and audiometry tests in one exceptional device. The full 10.4" touch screen with its user-friendly interface guarantees a unique intuitive operation and allows to quickly change parameters. You can easily switch between the tests without reorganizing from one device to another and benefit from its small footprint when facing limited desk space. touchTymp MI 36 really improves workflow.

Comprehensive Test Protocols

Our touchTymp MI 36 provides comprehensive standard protocols for immediate operation of screening and diagnostic test processes: tympanometry with 226 Hz, tympanometry with automatic or fixed acoustic reflexes, reflex decay, Eustachian tube function testing (ETF) plus air conduction and bone conduction audiometry. The optional high frequency probe tone of 1000 Hz is ideal for providing reliable results when testing infants.

Stay Focused on Your Patients

The unique touchTymp light bar on our shoulder box probe provides a real-time progression of the immittance test. The shoulder box can easily be clipped to your patient's top for controlled handling of the shoulder box probe. The light indicator shows test status and result.

Easy Data Management

Take control of your test results with ease and efficiency. Experience swift and seamless test result printing with our built-in printer. Simply insert the probe into the designated holder, and watch as the test results effortlessly print at your fingertips. Elevate your digital data management, complemented by our user-friendly PC software solution, MAICO Sessions.

Middle Ear Testing Becomes Child's Play

The RaceCar animation captures the child's focus through an exhilarating car racing experience while immittance testing is being performed. The animation not only distracts the child but also transforms the testing procedure into an engaging and enjoyable experience. As the high-speed car race begins, so does the start of tympanometry or reflex screening, making the process easier for you and more delightful for your young patients!

Features at a Glance

- Full touch screen operation for intuitive handling
- Combo device with small footprint
- Diagnostic test battery: tympanometry, acoustic reflexes, reflex decay, ETF, audiometry
- Allows testing from infants to adults
- RaceCar animation to maintain child's attention
- Customizable to suit individual needs
- Innovative probe lights allow for patient-focused operation
- Easy data management with built-in printer or optional MAICO Sessions PC software



Technical Data touchTymp MI 36

TYMPANOMETRY

Probe Frequency	226 Hz, 85 dB SPL 678 Hz, 72 dB SPL 800 Hz, 70.5 dB SPL
Optional High Frequency	1000 Hz, 69 dB SPL
Pressure Range	- 600 to + 400 daPa
Volume Range	0.0 ml to 6.0 ml (compensated)
Compliance Range	0.1 ml to 8.0 ml at 226 Hz 0.1 to 15.0 mmho at 678, 800 and 1000 Hz
Test Time	3 - 5 seconds
Features	RaceCar, YBG components, Compensated and uncompensated

ACOUSTIC REFLEXES

Test Frequencies	500, 1000, 2000, 4000 Hz
Test Noise	BB, LP, HP
Test Methods	Ipsilateral, contralateral
Level Ipsilateral	70 dB HL to 105 dB HL
Level Contralateral	70 dB HL to 120 dB HL
Level Setting	Automatic, fixed
Features	RaceCar, AGC ipsilateral, Steady and pulse signal

REFLEX DECAY

Standard	Probe frequency 226 Hz
Test Frequencies	500, 1000, 2000, 4000 Hz
Test Noise	BB, LP, HP
Level Ipsilateral	70 dB HL to 105 dB HL
Level Contralateral	70 dB HL to 120 dB HL

EUSTACHIAN TUBE FUNCTION

Test Methods	Intact and perforated
Pressure Range	- 600 to + 400 daPa

AUDIOMETRY

Test Signals	Pure tone and warble tone (steady and pulse)
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 dB HL to 120 dB HL
Hearing Level Range BC	-10 dB HL to 80 dB HL
Masking Noise	Narrow band and white noise

DEVICE GENERAL

Display	10.4" Graphic LED-Display with resistive touch screen
PC Interface	USB
Probe	Lightweight diagnostic shoulder box with built-in control light and switch
Printer	Fast 4" thermal printer
Power Supply	Mains 100 to 240 V~, 50 - 60 Hz
Dimensions / Weight	W x D x H: 30 cm x 34.5 cm x 14.8 cm / 3.2 kg
Languages	English, Chinese, French, German, Italian, Polish, Russian, Spanish, Turkish

STANDARDS

Tympanometer	IEC 60645-5, Type 2
Audiometer	IEC 60645-1, Type 3
Safety	IEC 60601-1, Class I, Type B Applied Parts
EMC	IEC 60601-1-2
CE 0123	Class IIa according to Medical Device Regulation (EU) 2017/745

STANDARD COMPONENTS

touchTymp, AC headphone DD65 v2, BC headphone B71, contra headphone DD45C, ear tip box, patient response switch, power supply, printer (built-in), probe floss kit, shoulder box probe, test cavity (built-in)

OPTIONAL ACCESSORIES / SOFTWARE

AC headphone DD45, monitor phone & microphone headset, talk back microphone, MAICO Sessions PC software, OtoAccess® Database, Noah Database, OtoAccess® Worklist HL7 (OtoAccess® Database add-on)

OPTIONAL LICENSE

1000 Hz high frequency probe tone

SANIBEL


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

Specifications are subject to change without notice.

Standard Components				
	touchTymp device with shoulder box probe	AC headphones DD65 v2 and BC headphone B71	Contra headphone DD45C	
Optional Accessories / Software				
	AC headphone DD45	MAICO Sessions PC software	OtoAccess® Database	Noah Database

MAICO Diagnostics GmbH

Sickingenstr. 70-71 · 10553 Berlin · Germany
Tel.: +49 30 / 70 71 46-50 · Fax: +49 30 / 70 71 46-99
sales@maico.biz · www.maico.biz

 Find your nearest Distributor.