touchTymp MI 36

Tympanometry & Audiometry in one device

Simply intuitive middle ear diagnostics with AC & BC audiometry

Features at a Glance

- Combo device with small footprint
- Customizable to suit individual needs
- High resolution and quick screen transitions
- Full touch-based interface for intuitive handling
- 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
- Air conduction audiometry
- Bone conduction audiometry
- Built-in printer or data transfer to PC

Tympanometry

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" touchscreen with its user-friendly interface guarantees a unique intuitive operation and allows quick parameter changes. You can easily switch between the tests without reorganizing from one to another device and benefit from its small footprint when facing limited desk space. touchTymp MI 36 really improves your workflow every day.

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), and audiometry (air and bone conduction). The optional high-frequency probe tone of 1 kHz is ideal for providing reliable results when testing newborns.

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 Measurement	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

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

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 / Weight	11.81 in x 3.58 in x 5.83 in / 7.1 lbs
Languages	English, German, Spanish, French, Polish, Turkish, Russian, Chinese

STANDARD

- ANSI/AAMI ES/IEC/EN 60601-1, class I, Type B; IEC 60645-5, Type 2/ ANSI 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

CE 0123

STANDARD COMPONENTS

- Shoulder box probe
- Shoulder box attachment kit
- Shoulder box adapter kit
- Contra phone (DD45C, IP30)
- DD45 with RE-7 headband
- B71 bone conductor
- Patient response switch
- Mic-monitor headset
- Built-in calibration cavity
- Built-in printer
- Roll of thermal paper
- USB cable
- Power supply
- Sanibel ear tip kit
- Touchpen
- Probe floss kit
- MAICO USB flash drive kit
- Cleaning cloth
- MAICO software
- Operational manual
- Quick guides

OPTIONAL ACCESSORIES

- Audiometric transducer (IP30, DD450)
- Carry case

Specifications are subject to change without notice.

Sanibel Supply

Standard Components

touchTymp with printer

Shoulder box

DD45 and B71

Contra Phone Accessories

DD45C

IP30

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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.

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