

# touchTymp MI 24

## The first in our ALL-TOUCH impedance line

### Features at a Glance

- 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 high-frequency probe tone 1 kHz
- Acoustic reflex frequencies 500 Hz, 1 kHz, 2 kHz, 4 kHz  
(ipsilateral and optional contralateral)
- High resolution and quick screen transitions
- Built-in printer

### Simply intuitive

The touchTymp combines a full 10.4" touchscreen interface and an innovative icon structure for amazingly intuitive handling. The large color display allows the user to easily change parameters with a maximum of 3 clicks. touchTymp simply improves every professional's daily workflow.

### Patient-focused testing

Designed to help the user remain focused on the patient rather than on the measurement - the unique light bar on the ergonomic and responsive probe provides a real-time progression of the test. Plus, advanced light indicators show which ear is tested and the test result.

### Comprehensive test protocols

The touchTymp MI 24 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

Test results and reports can be printed quickly using the built-in printer. When placing the probe into the probe holder, the test results will print automatically - touchTymp really is that easy and intuitive.



## 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
Accuracy of Volume	$\pm$ 5 % or 0.1 ml
Test Time	3 - 5 seconds

### REFLEX MODE

Test Frequencies	0.5, 1, 2, 4 kHz $\pm$ 1%
Test Method	Ipsilateral; optional contralateral
Level Ipsilateral	70 to 105 dB <sub>HL</sub>
Level Contralateral	70 to 120 dB <sub>HL</sub> with contra phone receiver
Level Setting	Automatic or fixed
Ipsilateral Reflex Test	With and without 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, virtually silent 4-inch thermal printer
Power Supply	100 to 240 V $\sim$ $\pm$ 10 %, 50 - 60 Hz $\pm$ 10 %
Dimensions	W 11.81 x D 13.58 x H 5.83 in
Weight	7.1 lbs

### STANDARD

**Safety:** IEC 60601-1, Class 1, Type B

**EMC:** IEC 60601-1-2

**Impedance:** IEC 60645-5, Type 2 / ANSI S3.39, Type 2

According to the medical device directive 93/42/EEC



### STANDARD COMPONENTS

- Pen probe
- Built-in calibration cavity
- Ear tip kit
- Built-in printer
- Roll of thermal paper
- Probe floss kit
- MAICO USB flash drive
- Impedance module software
- USB cable
- Cleaning cloth
- Touch pen
- Power supply

### OPTIONAL ACCESSORIES

Contralateral phones:

- IP30
- DD45C

Specifications are subject to change without notice.



## MAICO Diagnostics

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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.