

easyTymp Pro Version Handheld Diagnostic Middle Ear Analyzer

Features at a Glance

- Very fast and reliable tympanometry measurements
- Probe tone 226 Hz,
optional high frequency probe tone 1 kHz
- Reflex frequencies 500 Hz, 1 kHz, 2 kHz, 4 kHz
(ipsilateral and contralateral)
- Reflex decay testing (ipsilateral and contralateral)
- Eustachian tube function (ETF) test for intact and perforated eardrums
- Automatic tests – self explanatory to use
- Full color, high resolution display
- Data is transferable to PC
- Includes eartip cradle

Very Fast Middle Ear Measurements

The easyTymp is the ideal handheld device for middle ear diagnostic tests. It takes the speed and ease of a screening device and adds useful diagnostic test functions with ipsilateral and contralateral acoustic reflexes, reflex decay, Eustachian tube testing (ETF).

Extensive Storage

Multiple storage options with MAICO PC software or internal memory allow for easy patient management. Device can store more than 1000 measurements or can transfer results to a PC allowing long term storage, full page printout and PDF for EMR integration.

Test Protocols

All available test protocols can be easily selected with one hand. Available test protocols: tympanometry with 226 Hz; ipsilateral and contralateral reflexes (automatic or single intensity), reflex decay measurements and eustachian tube testing (ETF). The optional high frequency probe tone of 1 kHz is ideal for providing reliable results when testing infants.



*Shoulder box probe

Technical Data

TYMPANOMETRY

Probe Frequency	226 Hz ± 1%, 85 dB
Optional	1000 Hz ± 1%, 69 dB _{SPL}
Pressure Range	-400 to +200 daPa
Pressure Accuracy	±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 1000 Hz
Test Time	< 6 seconds

ACCOUSTIC REFLEXES

Test Frequencies	500, 1000, 2000, 4000 Hz ± 3%
Test Method	Ipsilateral and contralateral
Intensities Reflexes	70 to 100 dB _{HL}
Intensity Settings	Automatic or single intensity

REFLEX DECAY

Test Frequencies	500, 1000, 2000, 4000 Hz ± 3%
Test Time	10 sec. auto tone presentation
Test Method	Ipsilateral and contralateral
Intensity Reflexes	Ipsilateral 70 to 110 dB _{HL} Contralateral 70 to 120 dB _{HL}

ETF NON PERFORATED

Pressure Range	-400 to +200 daPa
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ETF PERFORATED

Probe Frequency	226 Hz ± 1%, 85 dB _{SPL}
Test Time	30 sec. auto tone presentation



GENERAL

Memory	1 curve per ear and test
Storage	> 1000 measurements
Display	Full color graphic LCD-Display
Dimensions/ Weight	3 in x 12 in x 3 in / 15 oz
Battery	NP120 Li-Ion 3.7 V-1700 mAh

CRADLE

Dimensions	12 in x 6 in x 4.5 in
Power	100-240 VAC, 50/60 Hz

OPTIONAL PRINTER

Type	2" thermal dot matrix
Dimensions/ Weight	1.75 in x 4 in x 3 in / 6.9 oz
Battery	2 cell Li-Ion 7.4 V-1500 mAh
Power	100-240 VAC, 50/60 Hz
Data Transfer	Wireless

STANDARDS

IEC 60601-1, Class II, Type B
IEC 60601-1-2
IEC 60645-5, Type 2
ANSI S3.39, Type 2



STANDARD COMPONENTS

- easyTym Pro Version handheld unit with rechargeable battery
- Cradle with integrated ear tip kit and rechargeable battery
- 55" shoulder box
- Power supply
- Test cavity
- USB cable
- MAICO PC software

ACCESSORIES*

- License for high frequency probe tone of 1 kHz
- Wireless thermal printer
- Wall mount kit for cradle

*Dependent upon model

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.