

## easyTymp Handheld Middle Ear Analyzer – Pro Version

### The Device has been Enhanced to Include Diagnostic Testing Capabilities

#### Test Protocols

All available test protocols can be easily selected with one hand. Available test protocols: tympanometry with 226 Hz; ipsi- 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.

#### easyTymp Pro Version Cradle

The optional cradle serves as a docking station and re-charger and is ready to insert the eartipbox.

#### Extensive Storage

The internal memory of the easyTymp Pro Version stores more than 1000 measurements.

#### Compatible to Sessions: Get Ready for Fast Data Transfer!

Use the easyTymp with our intuitive data transfer solution Sessions, for easy management and visualization of your tympanograms.

#### Features at a Glance

- Very fast and reliable middle ear measurements
- Probe tone 226 Hz
- Optional high frequency probe tone 1 kHz
- Reflex frequencies 500 Hz, 1 kHz, 2 kHz, 4 kHz (ipsi- and contralateral)
- Reflex decay testing (ipsi- and contralateral)
- Eustachian tube function (ETF) test for intact and perforated eardrums
- Automatic tests – self-explanatory to use
- Full color, high resolution display
- Stores more than 1000 measurements
- Optional thermal printer
- Optional MAICO Sessions PC Software connectable with OtoAccess® or Noah patient database for easy data management



# Technical Data easyTymp Pro

## TYMPANOMETRY

Probe Frequency	226 Hz, 85 dB SPL
Optional High Frequency	1 kHz, 69 dB SPL
Pressure Range	-400 daPa to +200 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 ml to 15.0 mmho at 1 kHz (optional)
Test Time	< 6 seconds

## ACOUSTIC REFLEXES

Test Frequencies	0.5, 1, 2, 4 kHz
Test Noise	Broad-band noise (optional)
Test Method	Ipsilateral, contralateral
Level	70 dB HL to 100 dB HL
Level Settings	Automatic, fixed

## REFLEX DECAY

Standard	Probe frequency 226 Hz
Test Frequencies	0.5, 1, 2, 4 kHz
Test Method	Ipsilateral, contralateral
Level Ipsilateral	70 dB HL to 110 dB HL
Level Contralateral	70 dB HL to 120 dB HL

## EUSTACHIAN TUBE FUNCTION

Test Methods	Intact and perforated
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## DEVICE GENERAL

Memory	1 curve per ear and test
Storage	> 1000 measurements
Display	Full color graphic LCD-Display
Dimensions / Weight	W x D x H: 8 cm x 30 cm x 7 cm / 427 g

Battery	NP120 Li-Ion 3.7 V-1700 mAh
Language	English, Chinese, French, German, Italian, Japanese, Polish, Russian, Spanish, Swedish

## OPTIONAL CRADLE

Dimensions	W x D x H: 15 cm x 29.5 cm x 11 cm
Power	100 - 240 VAC, 50/60 Hz

## OPTIONAL PRINTER

Type	HM-E200, 2" portable thermal printer
Printing Time	<5 seconds per test result
Power Supply	100 - 240 VAC, 50/60 Hz
Dimensions / Weight	W x D x H: 8.5 cm x 13 cm x 5 cm / 234 g
Data Transfer	Wireless

## STANDARDS

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

## STANDARD COMPONENTS

Diagnostic probe with shoulder box (length 140 cm), contralateral headphone DD45C, rechargeable Li-Ion battery, eartip box, probe cleaning kit, test cavity, power supply, carrying case

## OPTIONAL ACCESSORIES

Wireless printer kit HM-E200, cradle kit, wall mount kit for cradle

## OPTIONAL LICENSES

1 kHz high frequency probe tone incl. broad-band noise

## OPTIONAL SOFTWARE

MAICO Sessions PC Software, OtoAccess® Database, OtoAccess® Worklist HL7 (OtoAccess® Database add-on), Noah Database

## SANIBEL

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

Specifications are subject to change without notice.

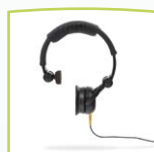
### Standard Components



easyTymp device



Shoulder box with diagnostic probe



Contralateral headphone DD45 C



Eartip box with eartips



Carrying case

### Optional Accessories/ Software



Cradle



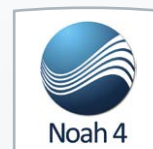
Wireless thermal printer HM-E200



MAICO Sessions PC Software



OtoAccess® Database



Noah Database