

## 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 impedance 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 MAICO Sessions PC Software connectable with OtoAccess® or Noah patient database for easy data management



# Technical Data easyTymp Pro

## TYMPANOMETRY

Probe Frequency	226 Hz ± 1%, 85 dB SPL in 2 cm <sup>3</sup>
High Frequency	1000 Hz ± 1%, 69 dB SPL in 2 cm <sup>3</sup>
Pressure Range	-400 to +200 daPa
Accuracy of Pressure	± 5% or ± 10 daPa
Volume Range	0.1 to 8.0 ml
Compliance Range	0.1 to 8.0 ml at 226 Hz 0.1 to 15.0 mmho at 1000 Hz
Test Time	< 6 seconds

## ACOUSTIC REFLEXES

Test Frequencies	500, 1000, 2000, 4000 Hz ± 3%
Test Method	Ipsi- and contralateral
Intensities Reflexes	70 to 100 dBHL
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	Ipsi- and contralateral
Intensity Reflexes	Ipsilateral 70 - 105 dBHL Contralateral 70 - 120 dBHL

## ETF NON PERFORATED

Pressure Range	-400 to +200 daPa
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## ETF PERFORATED

Probe Frequency	226 Hz ± 1%, 85 dB SPL in 2 cm <sup>3</sup>
Test Time	30 sec. auto tone presentation

## OPT. HIGH FREQUENCY

Tymp 1 kHz;  
Tymp 1 kHz + Auto Reflex;  
Tymp 1 kHz + Reflex 80 dB BB

## GENERAL

Memory	1 curve per ear and test
Storage	> 1000 measurements
Display	Full color graphic LCD-Display
Dimensions/ Weight	W x D x H: 80 x 300 x 70 mm / 427 g

## OPTIONAL CRADLE

Dimensions	W x D x H: 150 x 295 x 110 mm
Power	100 - 240 VAC, 50/60 Hz

## OPTIONAL PRINTER

Type	2 inch thermal dot matrix
Weight	197 g
Data Transfer	Wireless

## STANDARDS

IEC 60601-1, Class II, Type B	
IEC 60601-1-2, IEC 60645-5	
according to medical directive 93/42/EEC	

## STANDARD COMPONENTS

easyTymp Pro version handheld unit, diagnostic probe (length 140 cm), contralateral headphone DD45C, probe tip replacement, rechargeable battery, power supply unit for handheld unit, eartip box with eartips, test cavity, carrying case, operational manual, quick guides

## OPTIONAL ACCESSORIES / SOFTWARE

License for high frequency probe tone of 1 kHz, cradle, power supply unit and additional rechargeable battery, wireless thermal printer, wall mount kit for docking station, MAICO Sessions PC Software, OtoAccess® Database, Noah Database

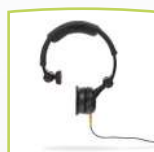
### Standard Components



easyTymp device



Shoulderbox with contra probe



Contralateral headphone DD45C



Eartip box with eartips



Carrying case

### Optional Accessories/ Software



Cradle



Wireless thermal printer



MAICO Sessions PC Software



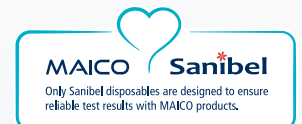
OtoAccess® Database



Noah Database

## SANIBEL

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



Specifications are subject to change without notice.