

## 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 newborns.

#### easyTymp™ Pro Version Cradle

The easyTymp™ Pro Version cradle serves as a docking station and recharger. It is available as a version with eartip box or integrated printer.

#### Extensive Storage

The internal memory of the easyTymp™ Pro Version stores more than 1000 measurements. With the impedance software, data can also be transferred to a PC.

#### 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



## Technical Data

### TYMPANOMETRY MODE easyTympanometry™ Pro Version

Probe Frequency	226 Hz ± 1%, 69 dB <sub>HL</sub> in 2 cm <sup>3</sup> 1000 Hz ± 1%, 69 dB <sub>HL</sub> in 2 cm <sup>3</sup>
Pressure Range	+ 200 to - 400 daPa
Volume Range	0.1 to 8.0 ml
Accuracy	± 5% or ± 10 daPa
Test Time	< 3 seconds

### REFLEX MODE

Test Frequencies	500, 1000, 2000, 4000 Hz ± 3%
Test Method	Ipsi- and contralateral
Intensities Reflexes	70 to 100 dB <sub>HL</sub>
Intensity Settings	Automatic or single intensity

### REFLEX DECAY MODE

Test Frequencies	500, 1000, 2000, 4000 Hz ± 3%
Test Time	10 sec. auto tone presentation
Test Method	Ipsi- and contralateral

### ETF NON PERFORATED

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

Probe Frequency	226 Hz ± 1%, 69 dB <sub>HL</sub> in 2 cm <sup>3</sup>
Test Time	30 sec. auto tone presentation

<b>OPT. HIGH FREQUENCY</b>	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




### CRADLE

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

<b>OPTIONAL PRINTER</b>	4 inch thermal printer
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### STANDARDS

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

### STANDARD COMPONENTS

- easyTympanometry™ Pro version handheld unit, Probe, Diagnostic Probe (length 140 cm)
- Contralateral earphone CIR55
- Probe tip replacement
- Rechargeable battery
- Power supply unit for handheld unit
- Eartip box with eartips
- Test cavity
- Carrying case
- Impedance software

### OPTIONAL ACCESSORIES

- External probe with cable (length 35 cm)
- Contralateral headphone DD45C
- License for high frequency probe tone of 1 kHz
- Cradle with integrated eartip box, power supply unit and additional rechargeable battery
- Cradle with integrated printer, power supply unit and additional rechargeable battery
- Wall mount kit for docking station

### SANIBEL

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

**Sanibel™**

Specifications are subject to change without notice.

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