



# easyTymp™/easyTymp™ Pro Version

## Handheld Middle Ear Analyzer



## Optional High Frequency Tympanometry

The optional high frequency probe tone of 1 kHz is ideal for providing reliable results when testing newborns.

## Extensive Storage

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

## easyTymp™ Cradle

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

# Screening Application

## easyTymp™ at a Glance

- Very fast and reliable impedance measurements
- Automatic tests
- Full color, high resolution display
- Stores more than 1000 measurements
- Docking station with integrated eartip box or integrated printer
- NOAH compatible software

## Fast Middle Ear Measurements

easyTymp is the convenient choice for professionals to perform tympanometry and acoustic reflexes.

## Automated Acoustic Reflex Testing

The intensity of the four frequencies of the reflex test is increased automatically until a reflex is detected or the maximum level is reached.

## Select Protocol

All available test protocols can be easily selected with one hand. Standard protocols: Tympanometry with 226 Hz; ipsilateral reflexes with automatic threshold detection or with fixed levels.





# Diagnostic Application

## easyTymp™ Pro Version

easyTymp Pro takes the speed and ease of our impedance screener and adds useful diagnostic test functions.

## Additional Features

easyTymp Pro enables contralateral acoustic reflex measurements, reflex decay and eustachian tube function testing.

	Protocols easyTymp™	Protocols easyTymp™ Pro Version
226 Hz Standard Impedance	<ul style="list-style-type: none"> <li>• 226 Hz tympanometry</li> <li>• Automated ipsilateral reflex tests*</li> <li>• Ipsilateral reflex tests at 90 dB SPL*</li> </ul>	<ul style="list-style-type: none"> <li>• Includes all standard easyTymp protocols</li> <li>• Automated contralateral reflex tests*</li> <li>• Contralateral reflex tests at 90 dB SPL*</li> <li>• Ipsi- and contralateral acoustic reflex decay*</li> <li>• Eustachian tube function intact and perforated</li> </ul>
1 kHz Optional Impedance	<ul style="list-style-type: none"> <li>• 1 kHz tympanometry</li> <li>• Automated ipsilateral reflex tests*</li> <li>• Ipsilateral reflex tests at 80 dB SPL broadband noise</li> </ul>	<ul style="list-style-type: none"> <li>• Includes all optional easyTymp protocols</li> <li>• Automated contralateral reflex tests*</li> <li>• Contralateral reflex tests at 80 dB SPL broadband noise</li> </ul>

\* Standard frequencies: 500 Hz, 1 kHz, 2 kHz, 4 kHz



## Specifications

### TYMPANOMETRY MODE

**Probe frequency, -intensity** 226 Hz  $\pm$  1%, 85 dB<sub>HL</sub>  
**Optional** 1000 Hz  $\pm$  1%, 69 dB<sub>HL</sub>  
**Pressure range** -400 to +200 daPa  
**Volume range** 0.0 to 6.0 ml (compensated)  
**Accuracy**  $\pm$  5% or  $\pm$  10 daPa  
**Test time** < 6 seconds

### REFLEX MODE

**Test frequencies** 500, 1000, 2000, 4000 Hz  $\pm$  3%  
**Test Method** Ipsilateral  
**Intensities Reflexes** 70 to 100 dB<sub>HL</sub>  
**Intensity setting** Automatic or single intensity

### 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  
**Internal Memory** > 1000 measurements  
**Display** Full color graphic LCD-Display  
**Dimensions / Weight** 3 in x 12 in x 3 in / 15 oz

### CRADLE

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

### OPTIONAL PRINTER

2 inch thermal printer

### STANDARDS

IEC 60601-1, Class II, Type B  
 IEC 60601-1-2  
 IEC 60645-5

### Additional Specifications easyTymper™ Pro Version

### REFLEX MODE

**Test Method** Ipsilateral and contralateral

### REFLEX DECAY MODE

**Test Time** 10 sec. auto tone presentation  
**Test Method** Ipsilateral and contralateral

### ETF INTACT

**Pressure Range** -400 to +200 daPa

### ETF PERFORATED

**Probe frequency** 226 Hz  $\pm$  1%, 85 dB<sub>SPL</sub>  
**Test Time** 0-30 sec. auto tone presentation

## Accessories



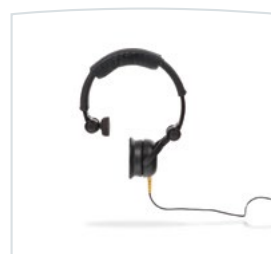
easyTymper™ cradle with ear tip kit



easyTymper™ Pro Version



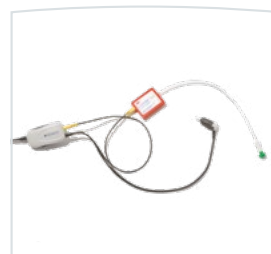
Thermal printer



DD45C



Carry Case



Contra probe with EAR Tone 3A contralateral earphone



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