

# Play-like Impedance and Reflex Screening for Children Race Car Tympanometer



- Impedance measurement for children - game-like testing
- Colourful design gives the instrument a fun look
- Animated car race keeps the child's attention
- 1000 Hz High Frequency probe tone for small children
- Full automatic test sequence - a tympanogram takes a few seconds
- Stapedius reflex test with 4 test frequencies
- Also available with integrated audiometer

# Easy and Fast Impedance and Reflex Test Results with fun Race Car Tympanometer

## Car race keeps the child's attention

During the car race on the integrated LCD-screen, the test is performed automatically in the background. If the child does not move or is talking during the test, it wins the race. If it disturbs the test it has to continue "the race".

## High Frequency Tympanometry

The high frequency probe tone of 1000 Hz is ideal for providing reliable results when testing newborns and young children.

## Fast investigation of the middle ear

You can perform easily an impedance or stapedius reflex test with the Race Car Tympanometer. The whole test takes only 15 seconds. Four reflex frequencies are tested. The numeric test results are shown on the LCD-screen.

## Easy operation

Just insert the lightweight probe with suitable eartip in the ear and the test starts automatically. The correct fitting in the ear can be verified by the two control lights on the probe. If required, the test result can be seen in real time on the LCD-screen. The test result of both ears is stored and can be printed out fast and virtually silent.

## Customizable technology

With the built-in user menu, the RaceCar-Tympanometer can be easily adapted to individual requirements, i.e. you can change between the race car test for younger and normal impedance test for adults.

## Versatile use with integrated Audiometer

The versatile Race Car Audiotype offers in addition an integrated air conduction audiometer with 8 test frequencies.

## Standard accessories

Probe, ear tip set, calibration cavity with probe holder, mains cable, roll of paper

## Optional accessories

TDH 39 contralateral phone with headband  
Carrying case

Part No. 4682  
Part.No. 705014



Race Car

## Technical data

### Tympanometry mode:

Probe frequency, intensity	226 Hz $\pm$ 1%, 85 dB SPL into 2 cm <sup>3</sup> 1000 Hz
Pressure range	+ 200 to - 400 daPa
Volume range	0,1 to 6,0 ml
Accuracy	$\pm$ 5% or $\pm$ 10 daPa
Test time	< 3 seconds

### Reflex Mode:

Test frequencies	500, 1000, 2000, 4000 Hz $\pm$ 2%
Test method	ipsilateral, contralateral (option)
Intensities ipsilateral	70 ... 105 dB HL
Intensities contralateral	70 ... 110 dB HL
Intensity setting	automatic or manual

Test program	Reflex test selectable
Memory	Storage of test results for both ears
Menu	For adapting to individual needs (Pump speed, accuracy, reflex mode etc.)
Probe	Lightweight adjustable hand-held probe with built-in control light and switch

### Audiometer (Option):

Test frequencies	0,125; 0,25; 0,5; 1; 2; 3; 4; 6; 8 kHz
Test level	0 to max. 90 dB SPL
Range	adjustable in 5 dB steps
Headphone	Telephonics TDH 39

### General:

Standard	IEC 601-1, IEC 645-5 class 2, medical directive 93/42/EEC	
Printer	fast, virtually silent thermal printer	
Print time	4 s / 12 s (Test results of both ears)	
Display	Graphic LCD-Display, contrast adjustable	
PC interface	USB	
Power supply	Mains 100 ... 240 V~, 50/60 Hz, 25 VA	
Dimension and weight	W x D x H: 39 x 29 x 11 cm / 2.6 kg	

Specifications are subject to change without notice



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