

# MIDDLE EAR ANALYZER AUDIOMETER



**Viola**

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Viola is a combo unit that integrates a screening middle ear analyzer offering ultra-fast and reliable tympanometry and reflex tests with a diagnostic audiometer capable of performing threshold and speech examinations in AC and BC. Small footprint, complete features set, great reliability and ease of use make Viola the perfect choice for professionals on the move and for installations where space is at a premium.

## THE MODELS

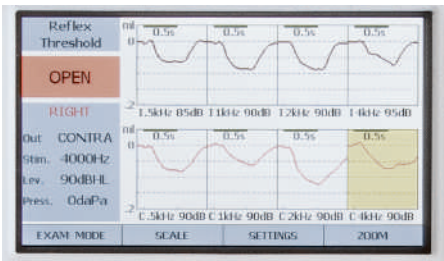
Viola is available in two models: Basic and Plus. The following table is an overview of the tests available on each version.



	Viola Basic	Viola Plus
Automatic tympanometry	Yes	Yes
Automatic acoustic reflex thresholds	Yes (Ipsi / Contra)	Yes (Ipsi / Contra)
Reflex test with fixed intensities	Yes (Ipsi / Contra)	Yes (Ipsi / Contra)
Reflex test with increasing intensity	Yes (Ipsi / Contra)	Yes (Ipsi / Contra)
Quick tests (tymp. + reflex tests)	Yes (2 tests)	Yes (2 tests)
Acoustic reflex decay	No	Yes (Ipsi / Contra)
Pure tone audiometry	Yes	Yes
Speech audiometry	No	Yes

## EMBEDDED SPEECH MATERIAL

No more CD player headaches! Viola Plus features an integrated flash memory for storing your speech material. The screen displays the word currently being pronounced.



Viola display

Viola is developed by:

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## AUTOMATIC TEST SEQUENCES

Speed up your middle-ear tests with the two available automatic exam sequences combined with special "fast" algorithms, all accurately developed to shorten the time needed for tympanometry and acoustic reflex assessments.

## ULTIMATE HARDWARE TECHNOLOGY

Viola features an innovative pump technology for continuous air flow and a finely-designed probe. All combined with a powerful, DSP-based sound generator board for tympanometry and audiometry functions.

## INCREDIBLY PORTABLE

Very small footprint, just 2 Kg of weight: now you can carry your complete diagnostic station in a small suitcase!



## THE PROBE

Viola features an extremely light, small and sturdy metal probe, which can be very rapidly disassembled and cleaned. The probe is connected to the small Remote Control Unit, through which you can select the ear and start the exam.

## TECHNICAL DATA

### Admittance measurement system

- Probe tone.....226 Hz at 85 dB SPL
- Compl. range.....0.2 to 8.0 ml
- Pressure range...From -600 to +400 daPa

### Tympanometry

- Type of test.....Automatic tympanometry
- Press. change.... 50, 100, 200, 300 daPa/sec, AUTO

### Acoustic reflex

- Stimulation.....Ipsi and Contralateral
- Available tests... Autothreshold, Fixed intensity, Growing intensity
- Only Plus model... Reflex decay
- Automatic tests... Quick A and B (seq. of tympan. and reflex)

### Audiometry

- Output.....AC, BC, Speech (only Plus)
- Masking.....NBN, WN, SN (only Plus)
- Frequency range ..... 125 – 8,000 Hz
- Maximum intensity..... AC: 120 dB HL – BC: 80 dB HL
- Speech inputs (Plus) .... EXT1, EXT2, Mic., internal flash memory
- Speech tests (Plus) ..... WRS, SRT, MCL, UCL
- Talk over..... Built-in or external microphone
- Talk back..... Only Plus model

### Display type..... Color graphical

Display size / res. .... 4.3", 480 x 272

Printer ..... Built-in thermal printer (optional)

PC interface.....USB (driverless)

Compatible soft. .... Inventis Daisy or Noah with dedicated module

Dimensions ..... 32 x 32 x 9 cm - 12.6 x 12.6 x 3.5 in

Weight ..... 2.0 Kg / 4.4 lbs

Standards..... Tympan.: EN 60645-5 / ANSI S3.39, Type 2

Audiometry: EN-60645-1 / ANSI S3.6, Type 3

Safety: EN 60601-1

EMC: EN 60601-1-2

Classification..... Class IIa (MDD 93/42)

Australian Distributor:



Free Call:  
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