

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.

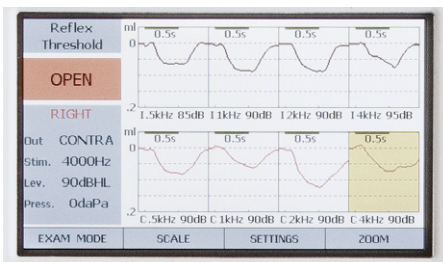
THE MODELS

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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Viola Basic Viola Plus

INCREDIBLY FAST...

You will be amazed by the speed of Viola: you can get a complete exam (tympanometry, 3 ipsi and 3 contra reflexes) in less than 20 seconds!

...INCREDIBLY RELIABLE...

Innovative pump technology for continuous air flow, a finely designed probe, leading-edge artifact suppression algorithms: these are just some of the features that guarantee tympanograms and acoustic reflex recordings of unprecedented accuracy.

...AND 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)