

MIDDLE EAR ANALYZER



Clarinet

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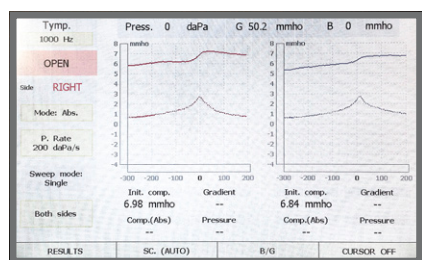
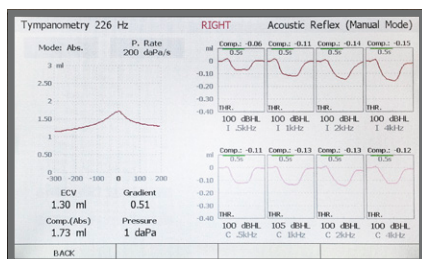
Clarinet is a clinical middle ear analyzer, featured with all the tests needed for a deep and accurate investigation of middle ear disorders. Automatic and manual tympanometry, acoustic reflex threshold, decay and latency examinations, ETF for intact and perforated eardrums, high-frequency and multi-component tympanometry are all available and full results can be observed on a wide color touch screen display.



THE MODELS

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

	Basic	Plus
Automatic tympanometry	✓	✓
Manual tympanometry	✓	✓
Multi-component tympanometry (Y, B, G, B/G)	-	✓
Automatic acoustic reflex thresholds	✓	✓
Manual acoustic reflex	✓	✓
Acoustic reflex decay	✓	✓
Acoustic reflex latency	✓	✓
Quick tests (tymp. + reflex sequence)	✓	✓
Eustachian tube function (intact / perforated)	✓	✓
Probe tones	226Hz	226 Hz, 678 Hz, 800 Hz, 1000 Hz



Clarinet is developed by:

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The Inventis Quality System complies with ISO 9001 and ISO 13485 standards.

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THE PROBE

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

NOAH & DAISY INTEGRATION

Simply connect Clarinet to a USB port on your computer (no driver needed), and you can transfer exam results into your Daisy or Noah database. And with the live view feature, you can have a wide view of the examination in progress on the computer display.

TECHNICAL DATA

Measurement system

Probe tones.....226 Hz

678Hz, 800Hz, 1000Hz (Plus)

Compl. range.....0.2 to 8.0 ml / 0.9 to 15.0 mmho

Pressure range... From -600 to +400 daPa

Man. pump contr. .. In tympanometry and reflex tests

Tympanometry

Type of test..... Automatic and manual tympanometry

Measures..... Admittance [Y]

Susceptance [B] (Plus)

Conductance [G] (Plus)

Press. change ... 15, 50, 100, 200, 300, 400, 600 daPa/sec, AUTO

Acoustic reflex

Stimulation..... Ipsi (I) and Contralateral (C)

Available tests... Autothreshold, Fixed intensity, Growing intensity

Manual test, Reflex decay, Reflex latency

Stimuli 250 (contra), 500, 1k, 2k, 4k, 6k, 8k (contra) Hz

BBN, HPN, LPN

Maximum int. 110 dB HL (ipsi); 120 dB HL (contra)

Stim. duration.... From 0.5 to 2.5 sec (selectable)

Reflex decay: 10 or 20 sec

Automatic tests... Quick A and B (seq. of tympan. and reflex)

ETF test Intact or perforated eardrums

Display type Color graphical with touch screen

Display size / res.... 150 x 90 mm, 800 x 480 pixels

Printer Built-in thermal printer (optional)

PC interface..... USB (driverless)

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

Dimensions 32 x 32 x 15 cm - 12.6 x 12.6 x 5.9 inches (LxWxH)

Weight 2.0 Kg / 4.4 lbs

Standards..... Tympan.: EN 60645-5 / ANSI S3.39, Type 1

Safety: EN 60601-1

EMC: EN 60601-1-2

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

GO IN-DEPTH WITH INVESTIGATIONS

High-frequency and multi-component tympanometry, evaluation of multiple stimuli averaged reflex latencies together with the up-to-date measure of reflex plot angles of incidence are just some of the Clarinet advanced features that will take your clinical investigation to new levels.

ENDLESS FLOW PUMP

Clarinet immediately impresses for the incredible speed of its pump: the sweep speed can reach 600 daPa / sec, without compromising on accuracy and precision of tympanogram plots. The pump features an endless airflow technology, improving the execution of the test when the seal is not optimal.