

TYMPANOMETER

Clarinet

Clinical Middle Ear Analyzer



Orchestral perfection
A full line of Audiology Equipment

- Manual and automatic tympanometry
- Multi-frequency probe tones (Plus only)
- Manual and automatic acoustic reflex test
- High-resolution touch screen display

DESIGNED, ENGINEERED AND MANUFACTURED IN ITALY

involving audiology



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. Clarinet is available in 2 versions, **Basic** and **Plus**: compared to the Basic version, Clarinet Plus features multi-frequency (with 678, 800 and 1000 Hz probe tones) and multi-component (Y, B and G) tympanometry.

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.



ENDLESS FLOW PUMP

The speed of the pump is incredible: 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.

NOAH & MAESTRO INTEGRATION

Simply connect Clarinet to a USB port on your computer (no driver needed), and you can transfer exam results into your Maestro or Noah database. 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 tone: 226 Hz @ 85 dB SPL
 678 Hz @ 80 dB SPL (Plus)
 800, 1000 Hz @ 75 dB SPL (Plus)
 Admittance range: ... -2.0 to 8.0 mmho (@ 226 Hz)
 -4.0 to 16.0 mmho (@ 678, 800 and 1000 Hz)
 Press. range: From -600 to +400 daPa
 Pump control: Automatic and manual

TYMPANOMETRY

Press. change: 15, 50, 100, 200, 300, 400, 600 daPa/sec,
 AUTO (200 - 600 daPa/sec)
 Press. sweep: Bidirectional
 Tympan. meas.: Admittance [Y], Susceptance [B] (Plus),
 Conductance [G] (Plus)

ACOUSTIC REFLEX

Acoustic refl. tests: ... Manual test, automatic threshold, fixed intensity,
 growing intensity, reflex decay, reflex latency
 Stimulation: Ipsi and contralateral
 Stimuli: 250 (contra), 500, 1k, 2k, 3k, 4k, 6k, 8k (contra) Hz,
 BBN, HPN, LPN
 Max. intensity: 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 tympanometry and reflex)
 ETF test: Intact or perforated eardrums

DEVICE SPECIFICATIONS

Memory: 3 tympanometry + 16 reflex + 4 decay + 4 latency
 record. per ear
 Display type: color graphical with touch screen
 Display size/ res: 7" / 800 x 480 pixels
 Printer: Built-in Thermal Printer (opt.)
 Language: multilingual interface
 PC interface: USB (driverless)
 Compatible sw: Inventis Maestro or Noah with dedicated module
 Dimensions: 32 x 32 x 15 cm
 12.6 x 12.6 x 5.9 in (DxWxH)
 Weight: without printer 2.30 kg / 5.07 lbs
 with printer 2.83 kg / 6.24 lbs

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