

Middle ear analyzer



Flute

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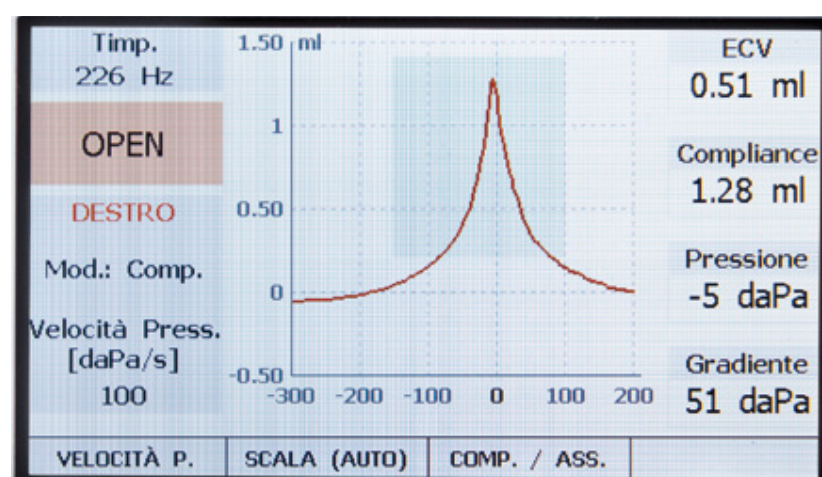
Flute is a diagnostic middle ear analyzer, capable of performing incredibly fast and reliable automatic sequences of tympanometry and reflex threshold tests, as well as manual reflex and reflex decay tests, ETF for intact and perforated eardrums, high frequency tympanometry. Great versatility, a user-friendly interface, advanced features and small size make Flute the ideal choice for a wide range of users, from hearing aid dispensers to clinics and hospitals.



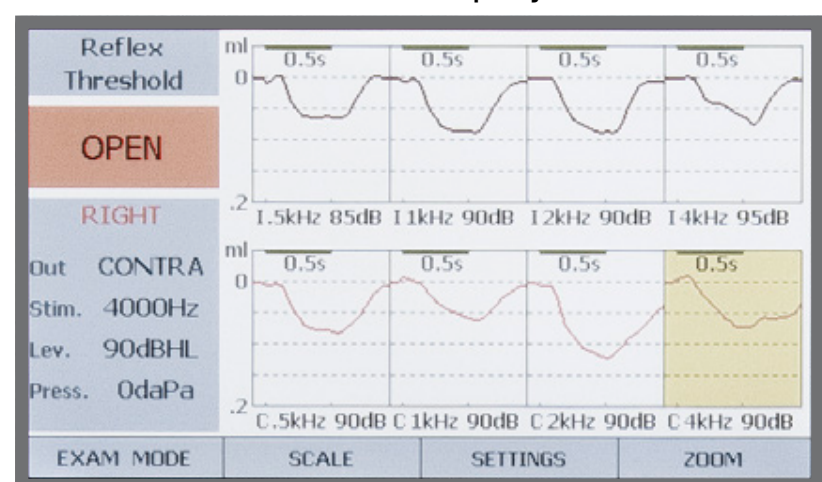
The models

Flute is available in three models: Basic, Plus and HF. The following table is an overview of the tests available on each version.

	basic	plus	hF
Automatic tympanometry	✓	✓	✓
Automatic acoustic reflex thresholds	✓	✓	✓
Reflex test with fixed intensities	✓	✓	✓
Reflex test with increasing intensity	✓	✓	✓
Manual acoustic reflex	-	✓	-
Quick tests (tymp. + reflex sequence)	✓	✓	✓
Acoustic reflex decay	-	✓	-
Manual pump control	-	✓	-
Eustachian Tube Function (intact / perforated)	-	-	✓
Probe tones	226Hz	226Hz	226Hz 1000Hz



Flute display



Flute is developed by:

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The Inventis Quality system complies with Iso 9001 and Iso 13485 standards.

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Incredibly FASt...

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

...And Incredibly reLIAbLe

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

PEDIR COTIZACIÓN



The probe

Flute 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.

noAh & dAIsy InTeGrATIon

Simply connect Flute 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 tone226 Hz at 85 dB SPL
1000 Hz at 75 dB SPL (only HF model)

Compl. range0.2 to 8.0 ml

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

Man. pump contr. ...In reflex test (only Plus model)

Tympanometry

Type of testAutomatic tympanometry

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

Acoustic reflex

StimulationIpsi and Contralateral

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

Only in Plus model: Manual test, Reflex decay

Stimuli250 (contra), 500, 1k, 2k, 4k Hz

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

Stim. durationFrom 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 testIntact or perforated eardrums (only HF mod.)

Memory1 tympan. + 8 reflex + 4 decay record. per ear

Display typeColor graphical

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

PrinterBuilt-in thermal printer (optional)

PC interfaceUSB (driverless)

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

Dimensions32 x 32 x 9 cm - 12.6 x 12.6 x 3.5 in

Weight2.0 Kg / 4.4 lbs

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

Safety: EN 60601-1

EMC: EN 60601-1-2

ClassificationClass IIa (MDD 93/42)