



Audiology Solutions Guide



Content

Inventis

- 4... **Piccolo** portable audiometer
- 6... **Cello** diagnostic audiometer
- 8... **Harp** diagnostic audiometer
- 10... **Piano** clinical audiometer
- 12... **Video otoscope H**
- 14... **Trumpet** REM system
- 16... **Drum** HIT box
- 18... **Flute** middle ear analyser

Auditdata

- 20... **Primus Ice** clinical audiometer
- 22... **Primus Pro** clinical audiometer
- 24... **Primus HIT Pro**
- 26... **Primus** video otoscope
- 28... **Entomed TY-101** tympanometer

Starkey

- 30... **Personal Sound Enclosure (PSE)**

Amplivox

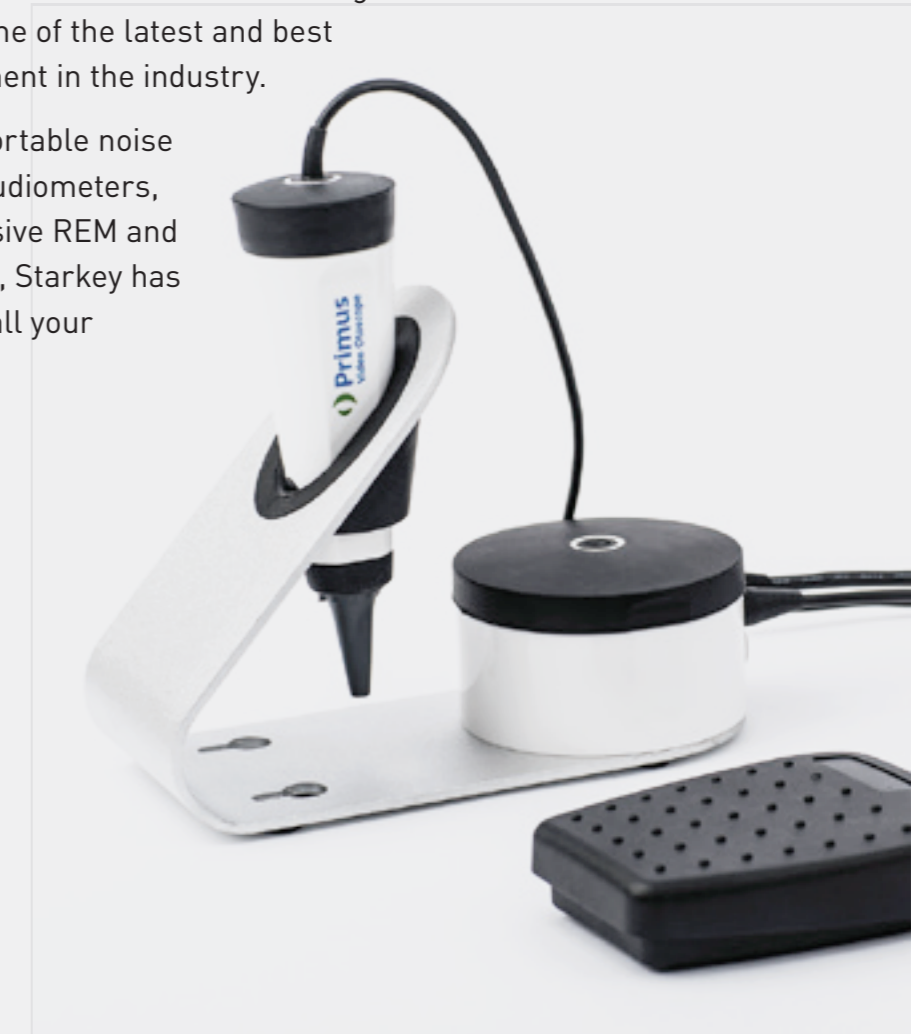
- 32... **Otowave 102** portable tympanometer
- 34... **Amplivox 240** portable diagnostic audiometer
- 36... **Amplivox 260** portable diagnostic audiometer
- 38... **Amplivox 270** portable diagnostic audiometer

Supporting the Audiologist

Starkey are proud to present our portfolio of Audiology equipment for the new and developing practice alike.

We are always looking for the best way to support our customers and our extensive catalogue comprises some of the latest and best testing equipment in the industry.

From highly portable noise cancellation audiometers, to comprehensive REM and speech testing, Starkey has a solution for all your clinical needs.



Inventis Piccolo portable audiometer

Piccolo is a portable diagnostic audiometer, offering air, bone and speech audiometry functions.

A lightweight, compact design, powerful, user-friendly software, and Noah connectivity combine to make Piccolo the ideal choice for professionals on the move.



Models

To best fit different needs, Piccolo is available in two versions:

- **Plus:** pure tone audiometry - AC and BC outputs
- **Speech:** pure tone and speech audiometry - AC and BC outputs



Computer Control

Connect Piccolo to the USB port of your computer and you are ready to go. There is no need to install a driver or even plug in a power supply. You can control Piccolo through the Maestro's amazingly user-friendly interface, available also for Noah software.

Incredibly Portable

Piccolo is extremely light (less than 300g), boasts a very small footprint, and does not even need a power supply when controlled through the computer. It is therefore the perfect solution for anybody seeking a top quality portable audiometer.

Product features

Intensity	AC: -10 to 120 Db HL BC: -10 to 80 Db HL
Freq. Range	125-8000 Hz
Input	Plus: Tone, Warble Tone Speech: Tone, Warble Tone, Ext 1-2, Mic.
Masking	Plus: NBN Speech: NBN, WN, SN
Output	Plus, Speech: AC L+R, Bc
Talk Over	External Microphone
Conn. To Pc	USB
Compatible SW	Maestro or Noah with Maestro Module (both included)
Language	Multilingual Interface
Conn. to iPad®	Bluetooth 4 (Requires Aero Option)
Controlling App	Maestro
Dimensions	16 X 16 X 3 cm / 6.3 X 6.3 X 1.2 in. (LxWxH)
Weight	300 g / 10.6 Oz.
Standards	Plus, Speech: En 60645 -1 / Ansi S3.6, Type 3 Safety: EN 60601-1, Class 1 EMC: EN 60601-1-2
Classification	Class IIA (MDD 93/42)

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
31243-016	Inventis	Piccolo PLUS Portable Audiometer
31243-018	Inventis	Piccolo SPEECH Portable Audiometer

Inventis Cello diagnostic audiometer

Cello is a PC or iPad® controlled diagnostic audiometer, capable of performing fast and accurate air, bone and speech audiometry exams, as well as several additional tests including QuickSIN™, HF audiometry, and video-VRA. With its revolutionary design, complete feature set and top reliability, Cello is a little masterpiece, ideal for anyone unwilling to compromise on appearance and user experience.



Computer Control

Connect Cello to the USB port of your Windows® computer and you are ready to go: no driver and no additional cable required. You can control Cello through the Maestro's amazingly user-friendly interface, available also for Noah.

Tests

Besides the standard audiometry exams, Cello also performs Hughson-Westlake automated audiometry, high-frequency pure tone exam, speech audiometry, QuickSIN® and SISI, and includes a 2 channel Master Hearing Aid.

Video-VRA

With Cello, in few minutes you can build a video-VRA system with unlimited possibilities for customising the images and videos used as reinforces. Everything is controlled through the Maestro module, simply connect up to three displays to your computer to provide the reinforces.

Hang it on the Wall!

You can easily hang Cello on the wall using the featured VESA mount or the specially designed transducer holder.



Product features

Intensity	AC: -10 to 120 Db HL BC: -10 to 80 Db HL
Freq. Range	125-8000 Hz / 8 – 20 KHz (with HDA-300 headphones)
Input	Tone, warble tone, EXT1 and EXT2, USB audio, mic.
Masking	NBN, WN, SN
Output	AC L+R, INSERT L+R, BC, FF L+R, INSERT MASKING, HF L+R
Talk Over	External Microphone or Computer
Monitor	Ext. Earphone / Speaker or Computer
Test Battery	PTA (HL & UCL), Speech Audiometry (WRS, SRT, MCL, AND UCL), Autothreshold, Sisi, Master Hearing Aid, Quicksin® (opt.), High Frequency (opt.), Video-VRA (opt.)
Connection To Pc	USB
Compatible SW	Maestro or Noah
Language	Multilingual Interface
Controlling App	Maestro
Dimensions	30.8 X 21.7 X 6.4 cm / 12.1 X 8.5 X 2.5 in. (LXWXH)
Weight	1.3 KG / 2.9 LBS
Standards	Audiometer: EN 60645 -1 / ANSI S3.6, TYPE 2 Speech: EN60645-2 / ANSI S3.6 TYPE A-E HF: EN60645-4/ANSI S3.6 Safety: EN 60601-1, Class 1 EMC: EN 60601-1-2
Classification	Class IIA (MDD 93/42)

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
31243-052	Inventis	Cello Diagnostic Audiometer

Inventis Harp diagnostic audiometer

Harp is an advanced diagnostic audiometer, capable of performing fast and accurate air, bone and speech audiometric exams, as well as several additional tests including a two-channel master hearing aid.

Top-level features combined with ease of use and portability make Harp the ideal choice for a wide range of users, from hearing aid dispensers to audiologists, clinics and hospitals.



Models

Harp is available in two configurations to suit different user needs: Basic and Plus. Harp Plus features a wider test battery and an internal flash memory, where you can store the pre-recorded speech material.

Tests

Besides the standard threshold exams, Harp also performs Hughson-Westlake automated audiometry, speech audiometry, ABLB, SISI and Stenger exams. In addition, the "Plus" model features DLI and Tone Decay tests and includes a 2 channels Master Hearing Aid. TEN test and QuickSIN are available upon request.

Embedded Speech Material

No more external player headaches! Harp Plus features an integrated 2 GB flash memory for storing your speech material. Dedicated buttons allow you to access word lists with ease. The screen also displays the word currently being pronounced.

Display

Harp features a large, bright graphic color display, on which you can view the complete audiogram during the examination.

Portable System

Despite its top-level features, Harp is ultra-compact and easily transportable. It even comes with a dedicated carrying case (optional).



Noah & Maestro Integration

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

Hybrid Technology

Harp features Inventis Hy-Tech: you can decide whether to operate it in the traditional way (stand-alone mode) or control it through the computer.

Product features

Intensity	AC: -10 to 120 Db HL BC: -10 to 80 Db HL
Freq. Range	125-8000 Hz
Input	Tone, Warble, External 1-2, Mic., Flash Memory (only plus model)
Masking	NBN, WN, SN
Output	AC L+R, BC, FF L+R, Insert Masking
Talk Over	Built-In Or External Microphone
Monitor	Built-Int Speaker Or Headphone
Display	Color Graphical Display, 95 X 54 mm, 480 X 272 Pixels
Test Battery	Tone And Speech Audiometry, Autothreshold, ABLB, SISI, Stenger. Only in Plus Model: DLI, Tone Decay, Ten Test (opt.), Master Hearing Aid, Quicksin (opt.)
Int. Flash Memory	2 GB (only plus model)
Data Storage	Internal Memory for 100 Patients
Printer	Optional Integrated Thermal Printer
Language	Multilingual Interface
PC Interface	Bidirectional USB
Modes of Operation	Stand-Alone and Hybrid
Compatible SW	Inventis Maestro Or Noah With Dedicated Module
Dimensions	32 X 32 X 9 CM / 12.6 X 12.6 X 3.5 IN. (LXWXH)
Weight	1.3 KG / 2.9 LBS
Standards	Audiometer: EN 60645 -1 / ANSI S3.6, TYPE 2 Speech: EN60645-2 / ANSI S3.6 TYPE A-E Safety: EN 60601-1, Class 1 EMC: EN 60601-1-2
Classification	Class IIA (MDD 93/42)

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
31243-004	Inventis	Harp BASIC Diagnostic Audiometer
31243-006	Inventis	Harp PLUS Diagnostic Audiometer

Inventis Piano clinical audiometer

Piano is an advanced clinical audiometer featuring a complete battery of tests, including High Frequency, easily managed via the wide touch screen color display.

Advanced features, supreme flexibility and extreme simplicity of use make Piano the ideal choice for clinics and hospitals, as well as for professional practitioners who demand the very best from their instruments.



Piano is available in two configurations to suit different user needs: Basic and Plus. The two models differ in terms of the number of tests provided.

Models

Piano Basic provides manual and automated pure tone audiometry and speech audiometry, as well as ABLB, Tone Decay, SISI, Difference Limen Intensity (DLI), Monaural Loudness Balancing (MLB) and Stenger tests and includes a 2 channels Master Hearing Aid.

The Plus model offers all the features of the Basic, plus Multi Frequency, High Frequency, Bekesy and Masking Level Difference (MLD).

Two Independent Channels

Piano features two completely separated and independent channels: you can even set different frequencies for Channel 1 and 2. Furthermore, left-handed operators can set Channel 2 as the main channel.

Embedded Speech Material

No more CD player headaches! Piano features an integrated 2 GB flash memory for storing your speech material. Dedicated buttons allow you to access word lists with ease. The screen also displays the word currently being pronounced.

Display

Piano incorporates a large high resolution color graphic display, giving a clear and detailed picture of the exam in progress. And with touch screen input, interaction with the instrument is extremely simple and intuitive.

Noah & Maestro Integration

Simply connect Piano to a USB port on your computer (no driver needed), and you can transfer exam results into Maestro or Noah database.

And with the live view feature, you can have a wide view of the examination in progress on the computer display.

Hybrid Technology

Piano features Inventis Hy-Tech: you can decide whether to operate it in the traditional way (stand-alone mode) or control it through the computer.

Product features

Channels	Two Separate and Identical Channel
Intensity	AC: -10 to 120 Db HL BC: -10 to 80 Db HL AC HF: -20 TO 90 DB HL
Freq. Range	125-8000 Hz / 8 – 20 KHZ (plus with HDA-200 headphones)
Freq. Resolution	1/24 Octave (Multi-Frequency Test, only plus model)
Input	Tone, Warble, External 1-2, Mic., Flash Memory (only plus model)
Masking	NBN, WN, SN
Output	AC L+R, INSERT L+R, BC, FF L+R, Insert Masking, HF L+R (PLUS)
Talk Over	Built-In or External Microphone
Monitor	Built-Int Speaker or Headphone
Display	Color Display with Touch Screen, 7", 800 X 480 Pixels
Special Tests	Autothreshold, ABLB, Tone Decay, SISI, DLI, MLB, Ten Test, Stenger, Master Hearing Aid, Quicksin (opt.) (Plus: Multi Frequency, High Frequency, Bekesy, Mld)
Int. Flash Memory	2 GB
Printer	Optional Integrated Thermal Printer
Language	Multilingual Interface
PC Interface	Bidirectional USB
Modes of Operation	Stand-Alone and Hybrid
Compatible SW	Inventis Maestro Or Noah With Dedicated Module
Dimensions	32 X 32 X 15 CM / 12.6 X 12.6 X 5.9 INCHES (LXWXH)
Weight	2 KG / 4.4 LBS
Standards	Audiometer: EN 60645 -1 / ANSI S3.6, TYPE 1 Speech: EN60645-2 / ANSI S3.6 TYPE A-E HF: EN 60645-4 /ANSI S3.6 (PLUS MOD.) Safety: EN 60601-1 EMC: EN 60601-1-2
Classification	Class IIA (MDD 93/42)

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
31243-008	Inventis	Piano BASIC Clinical Audiometer
31243-010	Inventis	Piano PLUS Clinical Audiometer

Inventis video otoscope H

Video Otoscope H is a digital handheld video otoscope, ergonomic and compact and extremely easy to carry. The hand piece integrates the camera, the LED illumination, the display, and the rechargeable battery.

It is fully integrated with the software Maestro: it can be used in connection with the PC to store the images directly in the database, or as a standalone device and download the acquired images later. The live image can be seen both in Maestro and in the integrated display.

Satellite Software

Video Otoscope H can also be used with the Satellite software for remote video otoscopy.

- High Quality Images (Full-HD)
- Built-in display
- Live view mode with Maestro
- Suitable for remote video-otoscopy

Lightweight and Compact

Video Otoscope H is extremely handy and easily transportable.

Remote Video Otoscopy

Video Otoscope H can be used with the software Satellite for the remote video otoscopy.

Easy Data Management

Video Otoscope H be used in connection with the PC to store the images directly in the database, or as a standalone device to download the acquired images later.



Product features

Illumination	Natural white LED
Resolution	1440 x 1080 pixel
Display	TFT-LCD
Focus	Manual
Focus Range	25~100 mm
Battery	Rechargeable lithium battery
Battery Autonomy	4 hours
Charging Time	4.5 hours
File Storage	8 GB SD card (included), supports 2 GB to 32 GB SD cards (FAT format)
Video Outputs Characteristics	Digital: USB 2.0 (mini-USB) Composite Av
Use With Maestro And Satellite	Live Image And Acquisition Data Transfer Remote Video Otoscopy
Power Supply	Output: 5V DC, 1.2A Input: 100-240 V Ac, 50/60 Hz
Mechanics:	Size (WxHxD): 7x18x7 cm / 2.8 x 7.1 x 2.8 in Weight: 200g / 7.1 Oz
Minimum Computer Requirements	Refer to Maestro software technical specifications for indications about the minimum system requirements.
Standard Equipment	Video otoscope with 8 GB SD card USB connection cable type A/mini-USB Power supply Set of adult disposable specula Set of pediatric disposable specula User manual Quick start guide Battery Analogic video cable
Standards	Electrical safety: EN 60601-1 EMC: EN 60601-1-2
SMDR Classification	MDR (EU) 2017/745 classification: Class I (Rule 13)

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
31243-118	Inventis	Video Otoscope H

Inventis Trumpet REM system

Trumpet is an advanced and easy-to-use Real Ear Measurement system, capable of performing quick and accurate in-situ measures thanks to its small lightweight probes and its built-in amplified speaker. Trumpet also incorporates a diagnostic audiometer for carrying out air, bone and speech audiometric exams.

Controlled directly from your computer, Trumpet offers a complete but simple and intuitive software interface, making it a compact and portable system with no compromises.



Fitting System

As a fitting system, Trumpet is capable of measuring all the standard gain/response values: unaided (REUG/R), aided (REAG/R), insertion (REIG) and occluded (REOG/R).

Sequences of measurements can be set and run with just a few clicks, making the daily workflow that much quicker and easier.

Target Protocols

Trumpet offers the most recent target protocols, like NAL-NL1, NAL-NL2 and DSL v5, to assist acousticians in the setting of hearing aid parameters, so that fittings will be well accepted, and patients less likely to return dissatisfied.

Live Mode for Speech Mapping

This most recent and effective counseling tool is naturally available on Trumpet. Live mode for speech mapping allows you to demonstrate the benefit of wearing the hearing aid straight away, by simply talking to the patient, just as any family member might do.

Advanced Mode

Input-output view mode, higher frequency resolution and complete user customisable work procedure are just some of the additional features available in Advanced mode.

Coupler Kit for Recd

With Trumpet, there is also the option of a kit with built-in speaker, 2cc coupler and insert earphones, which will allow RECD measures to be taken from non-collaborative patients without the need for a hearing instrument test-box.

Diagnostic Audiometer

In audiometer mode, Trumpet can perform air, bone, free field and speech audiometry exams, Hughson-Westlake automated audiometry, QuickSIN®, and includes a 2 channel Master Hearing Aid.

Computer Control

Connect Trumpet to the USB port of your Windows® computer and you are ready to go: no driver and no additional cable required.

You can control Trumpet through the amazingly user-friendly Maestro software interface and, if need be, transfer the data directly to Noah.

Product features

Em Standard	Ec 61669, Ansi S3.46.
Stimuli (Rem)	White Noise, Pink Noise, Speech Noise, Icra, Real Speech, Any Other Sound File
Frequency Range	125 Hz – 12 Khz
Intensity Range	50 – 90 Db Spl
Frequency Resolution	1/3, 1/24 Octave
Available Tests	Reur / Reug, Rear / Reag, Reig, Reor / Reog, Advanced, Live Speech, Recd (opt.)
Audiometer Intensity	AC: -10 To 120 Db HL BC: -10 To 80 Db HL
Frequency Range	AC: 125 – 8000 Hz BC: 250 - 8000 Hz
Stimuli	Pure Tone, Warble Tone
Speech Inputs	USB, Mic
FF Output	Yes (Built-In Amp.)
Test Battery	Pta (HL And Ucl), Speech Audiometry (Wrs, Srt, Mcl, And Ucl), Autothreshold, Master Hearing Aid, Quicksin® (Opt.).
Standards	Audiometer: En 60645 -1 / Ansi S3.6, Type 2, Speech: En60645-2 / Ansi S3.6 Type A-E
Connection To Pc	USB (Driverless)
Compatible Sw	Maestro Software
Noah Compatibility	Yes
Dimensions	15.5 X 10 X 24.5 cm / 6.1 X 3.9 X 9,7 in (Wxdxh)
Weight	1.5 Kg / 3.5 Lb
Safety	En 60601-1
EMC	En 60601-1-2
Classification	Class Iia (Mdd 93/42)

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
31243-107	Inventis	Trumpet REM
31243-108	Inventis	Trumpet REM and Audiometer

Inventis Drum HIT box

Drum is a hearing instrument test box (HIT) capable of an impressive ambient sounds attenuation, and featured with all the standard tests for evaluating performances of air conduction hearing aids. Directly controllable from the Maestro software, Noah compatible and equipped with coupler and all adapters for any type of hearing aids, Drum is the perfect solution for those most demanding users who are not willing to compromise on user friendliness of their instrument.



Automatic Test Sequences

Both ANSI S3.22 and EN 60118 standard sequences for Hearing Instrument testing are available on Drum. Automatic protocols with selectable tests, and tooltips for user actions required are specially developed for simplifying the testing procedure.

High Attenuation Of Ambient Noise

Size and shape of Drum are engineered to maximise the attenuation of ambient noise and minimise the internal sound reflection. Made of wood, featuring an egg-shaped internal chamber and, thanks to the sound-transparent foam at the bottom, offering a floating positioning of the hearing aid exactly in front of the speaker, Drum is the perfect test box for getting the highest quality test results.

Computer Control

Connect Drum to the USB port of your Windows® computer, the electrical grid, and you are ready to go: no drivers and no additional cables required.

You can control Drum through the amazingly user-friendly Maestro software interface and, if need be, transfer the data directly to Noah..

Product features

Standards	En 60118-7 / Ansi S3.22
Available Tests	Ospl90, Full On Gain (Fog), I/O, Attack/Release, Frequency Response, Equivalent Input Noise, Thd, Battery Drain, Telecoil
Available Outputs	Loudspeaker, Telecoil
Available Stimuli	Pure Tone, Sweep
Frequency Range	125 Hz – 12 KHz
Frequency Resolution	1/12, 1/24 Per Octave
Intensity Range	40 – 100 Db Spl
Coupler Intensity Range	40 – 145 Db
Reference Microphone Measurement	Omni-Directional
Telecoil Stimulation Range	10-100 Ma/M
Available Couplers	2Cc Coupler For Hearing Aids: ITE, RIC, BTE
Battery Simulators	Standard 5A, 10A, 312, 13, 675
Monitoring	Operator Interface For Coupler Monitoring
Calibration	Validity: 12 Months
Connection To Pc	USB Connection (Driverless)
Compatible Sw	Inventis Maestro
Noah Compatibility	Yes
Internal Chamber	Egg-Shaped
Internal Dimensions	15X25x13cm
H.a. Position	Floating
Loudspeaker Features	3", Full Range
Dimensions	32 X 33 X 22 cm / 12.6 X1.3 X 8.7 in
Weight	7.5 Kg / 16.5 Lbs
Electrical Safety	En 61010-1
Emc	En 61326-1 93/42/Eec Classification

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
31243-080	Inventis	Drum HIT Box

Inventis Flute middle ear analyser

Flute is a diagnostic middle ear analyser, 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 test, and 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 two models: Basic and HF.

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

Flute features an innovative pump technology for continuous air flow and a finely-designed probe. All combined to fit into an incredibly lightweight (just 2 kg) case.



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 Control Box, through which you can select the ear and start the exam.



Noah & Maestro Integration

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

Product features

Intensity	AC: -10 to 120 Db HL BC: -10 to 80 Db HL
Frequency Range	125-8000 Hz
Input	Basic: Tone, Warble Tone Speech: Tone, Warble Tone, Ext 1-2, Mic.
Masking	Basic: NBN Speech: NBN, WN, SN
Output	Basic: AC L+R Speech: AC L+R, Bc
Talk Over	External Microphone
Connection To PC	USB
Compatible SW	Maestro or Noah with Maestro Module (both included)
Language	Multilingual Interface
Connection to iPad®	Bluetooth 4 (Requires Aero Option)
Controlling App	Maestro
Dimensions	16 X 16 X 3 cm / 6.3 X 6.3 X 1.2 in. (LxWxH)
Weight	300 g / 10.6 Oz.
Standards	Basic: En 60645 -1 / Ansi S3.6, Type 4 Speech: En 60645 -1 / Ansi S3.6, Type 3
Safety	EN 60601-1, Class 1
Emc	EN 60601-1-2
Classification	Class IIA (MDD 93/42)

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
31243-021	Inventis	Flute BASIC Middle Ear analyser
31243-025	Inventis	Flute HF Middle Ear analyser

Auditdata Primus Ice clinical audiometer

Are your needs specified to pure-tone & speech audiometry? Primus Ice is a small, clinical audiometer for pure-tone and speech audiometry only. 18,1 x 11,5 x 9,4 cm. That is all the Primus Ice takes up of space and it is even smaller without its lid. The Primus Ice is the perfect choice, if you are looking for a complete but portable pure-tone and speech audiometer that includes all your regular test types.



Tailored to your needs

As an ENT professional or a hearing care professional, you might not need the full fitting solution in some situations, but an audiometer tailored to your needs when performing pure-tone and speech audiometry. That is what you get with the Primus Ice. Even better, it comes in a small package that is easily transported for home visits.

Configurable flexibility

You can easily configure the Primus Ice to your preferences. As a PC based audiometer, the Primus Ice lets you choose which tests or overlays to show in your measurement screen for fast access. You can also set up specific workflows per user or per clinic in order to streamline your work processes.

Pure-tone audiometry

Pure tone testing in Primus includes your standard test types such as HTL, BCL, UCLs among others. Furthermore, Primus lets you see not just the pure tone averages in the graph on your screen but also the Articulation Index (also known as SSI). Articulation Index (AI) is a method that estimates the available and usable speech information for a specific hearing loss in the different frequency regions of the audiogram. By showing the client the percentage of how much he or she is able to perceive speech, you will further aid in the understanding of the hearing loss.

Efficient & professional counselling

The easily accessible graphical overlays in the Pure tone audiometry screen, speech banana and speech letters are just some of the efficient counselling tools found in Primus. They can be shown on both your screen and a client screen, which makes it very easy for you to explain the hearing loss to the client in an efficient and professional manner, empowering your clients to understand their hearing loss better.

Calibration with no downtime

As with your other Primus units, you do not have to worry about downtime, when it comes to calibration. The calibration information is stored in the plug of the transducer, so you simply exchange your transducers with new, calibrated transducers and you can continue working.

Product features

Standards	Audiometry	Tone: IEC 60645-1:2012 / ANSI S3.6:2010 Type 1 Speech: IEC 60645-2:1997 / ANSI S3.6:2010 Type A or A-E
	Safety	EN 60601-1/A1:2013, Class 2, Type B
	EMC	IEC 60601-1-2
	Calibration	ISO 389-7:2005
Tone Testing	Tests	HTL, MCL, UCL, BCL, FF, FF-A , Weber test, Hughson-Westlake, SISI test, TEN Test and Quick SIN Test (CDs required)
	Output	AC, BC and Free Field
	Transducers	Primus Insert, TDH39, B71, EAR 3A, DD45, DD65, and two Free Field Speakers
	Frequency Range	125 Hz to 8 kHz
	Hearing Levels	-10 dB HL up to 120 dB HL (maximum output is limited by transducer capability)
	Stimuli Distortion	Less than 1%
	Stimuli	Pure tone, pulsed pure tone, warble, pulsed warble, narrowband noise and pulsed narrowband noise
	Masking noise	Narrowband noise, white noise and speech-weighted noise
	Extended range	+20 dB
	Tone switch	Manual or 0.1 - 5 sec. tone duration
	Client response system	Hand held push button
	Speech Testing	Monitoring
Talk over / talk back		Full bi-directional client communication with an operator microphone
Client safety		Maximum level limiter (max 100 dB without extended range, UCL limiter)
Output		AC, BC, and Free Field
Transducers		Primus Insert, TDH39, DD45, DD65, ER 3A, B71, and two Free Field Loudspeakers
Instrument	Stimuli	CD, Sound Library or Live voice using operator microphone
	Power supply	USB and external power supply for elevated outputs
	Dimensions	181 x 115 x 94 mm (167 x 110 x 32 mm without cover)
	Weight	550 g (375 g without cover)
	Connections	AC, BC, Client Response Button, Talk Back Microphone, Monitor Headset, Operator Microphone, Free Field Speakers (Left and Right), USB and DC power. Line Out/Demo

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
ENG90-500	Auditdata	Primus Ice Clinical Audiometer

Auditdata Primus Pro clinical audiometer

The Primus Pro is a modern and portable clinical audiometer and fitting system. With its sleek and light design, the Primus Pro can easily fit into any hearing care practice or you can take it with you on the go.



Modern and innovative audiometer

As a PC based audiometer, the Primus Pro is modular and its innovative features can help streamline your hearing care practice. The Primus Pro is designed in collaboration with working hearing care professionals to make sure it meets the demands of the modern hearing care practice.

Intuitive and easy-to-use software

The Primus software is extremely intuitive and easy-to-use, which will save you time when performing your daily tasks. You can divide your tasks into workflows depending on the session type, so your next task is always ready at hand.

No calibration downtime

Calibration is often something you dread getting done as it takes too long and costs you money. In Primus, all the calibration information is stored in the plug of each transducer. To calibrate the system, just switch to a new set of transducers - no downtime needed.

Modular flexibility

In the Primus Pro, you can choose between various modules and put together a fitting solution that suits your needs:

Audiometry

With true 2-channel audiometry and high frequency testing, the Primus PRO Audiometry module is fully up to date with the needs of a modern hearing care clinic.

Real Ear Measurement

The classic Real Ear Measurement module include Unaided, Occluded and Aided Response as well as Insertion Gain.

Speech Mapping

Live Speech Mapping is sometimes the determining factor in enabling clients and family members to understand the benefits of the hearing instrument.

Product features

Standards	Audiometry	Tone: IEC 60645-1:2012, 60645-4:1994 / ANSI S3.6:2010 Type 1 Speech: IEC 60645-2:1997 / ANSI S3.6:2010 Type A or A-E
	Safety	IEC 61669:2001, ANSI S3.46:1997, ISO 12124:2001 IEC 60601-1/A1:2013, Class 2, Type B
	EMC	IEC 60601-1-2
	Calibration	ISO 389-7:2005
Tone Testing	Tests	HTL, MCL, UCL, BCL, FF, FF-A, Weber test, SISI Test, Hughson-Westlake method, TEN Test (CD required)
	Output	AC, BC, and Free Field
	Transducers	Insert Earphone, TDH-39, DD45, DD65, HDA-200, HDA-280, HDA-300, B-71, EAR-3A, and Free Field Speakers
	Frequency Range	125 Hz to 16 kHz
	Hearing Levels	-10 dB HL up to 120 dB HL (max. output is limited by transducer capability)
	Stimuli Distortion	Less than 1%
	Stimuli	Pure tone, pulsed pure tone, warble, pulsed warble, narrowband noise, and pulsed narrowband noise
	Masking noise	Narrowband noise, white noise, and speech noise
	Extended range	+20 dB
	Tone switch	Manual or 0.1 - 5 sec. tone duration
	Client response system	Hand held push button
	Monitoring	Operator Monitor for talk-back and stimuli monitoring
	Talk over / talk back	Full bi-directional client communication with two-channel operator microphones Max. level limiter (max 100 dB w/o extended range, UCL limiter)
	Client safety	Maximum level limiter (max 100 dB without extended range, UCL limiter)
Speech Testing	Tests	SRT, MCL, UCL, SD, SD-A, SDN, SDN-A, and QuickSIN (CD required)
	Output	AC, BC, and Free Field
	Transducers	Insert Earphone, TDH-39, DD45, DD65, HDA-200, HDA-280, HDA-300, EAR-3A, B-71, and Free Field Loudspeakers
	Stimuli	CD, Sound Library or Live voice using operator microphone
	Masking Noise	White noise and speech noise
	Monitoring	Operator Monitor for talk-back and stimuli monitoring
	Talk Over / Talk Back	Full bi-directional client communication with two-channel operator microphones REM - REUR/REUG, REOR/REOG, REAR/REAG, REIG, RECD FF, and RECD Insert
REM/SM Testing	Tests	SM - Speech Mapping, Noise Reduction, Speech in noise, Comfort Optimiser, REUR/REUG, REAR/REAG, REIG
	Output	Free Field, AC
	Transducers	Real Ear Probe, REM Probe Flex, Insert Earphone/EAR-3A for RECD
	Stimuli	ICRA noises, ISTS, ISTS-MPO, white noise, pink noise, speech noise,
	Frequency Range	speech noise - ILTASS, Live speech, Pre-recorded sound files, DSL 's' and 'sh' sounds 125 Hz to 16 kHz
	Frequency Resolution	1/3rd, 1/24th octave based on 2048 pt. FFT
	Signal Levels	50 - 90 dB SPL
Instrument	Stimuli Distortion	Less than 1%
	Monitoring	Operator Monitor for talk-back and stimuli monitoring
	Client Safety	UCL limiter
	Power supply	USB and external power supply for elevated outputs
	Dimensions	345 x 112 x 35 mm (360 x 120 x 96 mm with cover)
	Weight	900 g (500 g without cover)
	Connections	USB, DC power, and S/PDIF; Free Field Speakers (Left, Middle and Right), Free Field Line Out (1-3), Demo Headset, Option, Operator Microphone (Left and Right), Talk Back Microphone, Monitor Headset; AC1, AC2, AC3 (HF), BC, Client Response Button, and Real Ear Probe.

Product codes

ENG90-501 | Auditdata | Primus Pro Clinical Audiometer

Auditdata Primus HIT Pro

Would you like to improve your hearing instrument testing? The Primus HIT Pro has a spacious chamber, practical solutions and excellent acoustic properties.

Clever design improves the testing workflow

The Primus Hearing Instrument Test (HIT) Unit makes it very easy to test and troubleshoot hearing instruments.

Spacious test chamber

The Primus HIT Pro test chamber is very spacious and has excellent properties. The noise reduction of external sources is extremely good which, in combination with the linearity of the acoustics, will give you more accurate test results.



Easy placement of hearing instruments

Having a large work area in combination with the smart hearing instrument clip makes it easy for you to place any type of hearing instrument. For your convenience a RIC adaptor gives you an effortless connection of open fit hearing instruments.

Quick FM verification & RECD measurements

Extended cables and the clever placement of sockets helps you do FM verifications even faster. RECD measurements can be performed easily with the built-in protocols.

The simplicity and intuitive design supports an efficient workflow and the discrete labelling and colour coding of sockets guides to correct usage.

Easy positioning of hearing instruments

No need to fumble with different holders and clips, when the smart and simple clip easily holds any type of hearing instrument in the correct position.

The clip can be removed if needed, and you can perform tests on both right and left side.

Discrete and surprisingly spacious built-in compartments will help you store your accessories, such as battery packs, spare parts, hearing instruments etc, right where you need them.

Spacious, built-in compartments for easy storage of accessories in Primus HIT Pro

Left and right LED indicators

Coloured LED indicators will help you operate the Primus HIT Pro unit. When connected to the PC, a green light appears when the Primus HIT Pro is ready for use. For your convenience, a red or a blue light shine, when tests are run on either the right or the left side.

The elegant front button will let you start and stop tests with one simple click when the Primus HIT Pro test chamber is closed.

You can perform full featured technical measurements that can be run as automatic test sequences in accordance with European standards – IEC and ANSI standards are both supported.

Product features

Standards		Hearing Instrument Testing	IEC 60118-7 and IEC 60118-15, ANSI S3.22
		Safety	EN 61010-1 IEC 60601-1-2
		EMC	IEC 60601-1-2
Hearing Instrument Testing		Tests	OSPL90, Full-on Gain, AGG Input/Output, Attack/Release time, Reference test gain, Frequency Response, Equivalent Noise Input, Harmonic Distortion, battery Current, Telecoi/Induction
		Output	Loudspeaker or Telecoil
		Frequency Range	125 Hz - 16 kHz
		Frequency resolution	1/6, 1/12, 1/24th octave based on 2048 pt. FFT
		Signal levels	40 - 90 dB SPL
		Stimuli distortion	Less than 1%
		Stimuli	Pure tone and sweep
		Telecoil	3,16 to 316 mA/m
		Battery simulator	0 - 2 volts, 0 - 25 ohms. 0.01 to 50 mA measurement range
		Monitoring	Operator monitor for in-the-coupler monitoring for REM and Speech Mapping measurements
		Battery pill types	5A, 10A, 312, 13, and 675
		Hearing instrument programmer feed-through	NOAHlink™ or HI-PRO can be connected and feed through to an internal connector
Instrument		Power supply	External power supply
		Dimensions	344 x 347 x 140 mm
		Weight	5.8 kg
		Connections	DC, USB, HI-PRO or NOAHlink™ input, monitor headset stereo Internal: Reference microphone, coupler microphone, battery pill and hearing instrument programming interface

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
ENG90-504	Auditdata	Primus HIT Pro

Auditdata Primus video otoscope

The Primus Video Otoscope combines modern technology with a mobile product. With crisp optics and bright LED illumination, it will improve your chances of precise diagnostics during a fitting and increase client satisfaction.

Get your clients on board

Seeing is believing and with the Primus Video Otoscope you can show your clients where the problem is. Capture, view and store images on your PC and view them on an external monitor to enhance understanding while counselling the client.



Innovative video technology

With the Primus Video Otoscope, you can perform Otoscopic examinations and check the placement of the probe tube in the ear canal with magnified clarity. The precise optics, bright LED illumination and the advanced camera electronics of the video otoscope are perfectly harmonised. This results in clear images with natural colour quality for precise diagnostics.

Full integration with Noah and the Primus software

The Primus Video Otoscope is fully integrated with the Primus software, which enables you to work fast and efficient. You can also store images directly in Noah when saved. Both options will save you valuable time every day.

Lightweight and easy-to-use

Small and compact in size, you can easily take the Primus Video Otoscope with you for external visits. You just plug in the Video Otoscope to your laptop via a USB cable and the Primus software picks up the connection. There is also a foot switch included for hands-free capture to ensure a more stable picture.

Product features

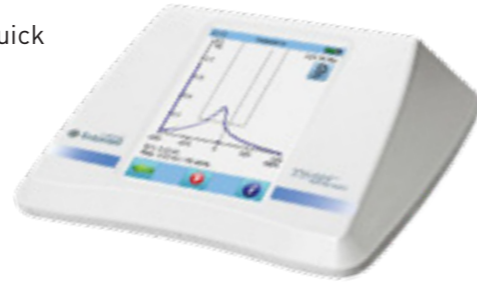
Direction of View	0°
Field of View	60°
Depth of Focus	5 - 50 mm
Tip Diameter Ø	4,0 mm
Ear Funnel, disposable	2,0 mm and 4,0 mm
Illumination	Integrated Whitelight LED
Video System	NTSC
Resolution	320 x 240 pixels
Interface	USB 2.0 High Speed & Composite Video (Cinch)
Power Supply	USB 2.0 High Speed or 5V Medical AC Adapter
Dimensions Handpiece	130 mm x 40mm x 40mm / 60 gr
Dimensions Hub	170 mm x 70 mm x 130mm / 400 gr
Supply Cable Hub to USB Port	1800 mm
Supply Cable Hub to Handpiece	1800 mm
Classification	1
Protection Class	IP 67

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
ENG90-507	Auditdata	Primus Video Otoscope

Auditdata Entomed TY-101 tympanometer

The Entomed TY-101 is a flexible Tympanometer for quick and reliable test of middle ear conditions. As a stand-alone unit with simple and intuitive touch screen control, the TY-101 will support the daily work at the hearing care clinic as well as in home visits.



Straightforward and efficient

The Entomed TY-101 Tympanometer is an efficient stand-alone device that will support a thorough and efficient workflow in your hearing care practice. With a few key strokes, the TY-101 will measure impedance curves and acoustic reflexes to determine the condition of the middle ear of the client. With an automated workflow, the TY-101 performs the measurement of middle ear impedance and acoustic reflexes.

Optionally, the TY-101 also measures otoacoustic emissions with optimised measurement protocols.

Intuitive and easy user interface

Create or select a client record, choose a test type and press 'Go' – this is all it takes to perform an impedance measurement with the TY-101. The measurement is directly presented on the screen of the TY-101. Optionally, the measurement results can be printed or transferred to a PC for attachment to the client record. The quick and simple operation lets you focus on your client and supports an efficient workflow.

Adaptable and flexible

In the standard configuration, the Entomed TY-101 includes impedance measurements and ipsilateral reflexes to test middle ear health. With the addition of a dedicated headset, the TY-101 also measures contralateral reflexes.

Product features

Standards	Tympanometry	IEC 60645-5
	Electrical Safety	IEC 60601-1
	EMC	IEC 60601-1-2
	PEMS	IEC 60601-1-4
	Usability	IEC 60601-1-6
	Audiometry	IEC 60645-1
The device fulfils all requirements of the Medical Device Directive 93/42/EEC, class II a.		
Tympanometry	Probe tone	226 Hz
	High frequency	1000 Hz
	Multi frequency tympanometry	2 tones simultaneously
	Pressure range	-300 to +300 daPa
Acoustic Reflex	Test types	Tymp & Reflex automatic sequence
	Stimuli (with EP-TY probe)	500, 1000, 2000, 3000, 4000 Hz, BB, HP, LP stimulus up to 105 dB HL
	Stimulus presentation modes	Ipsilateral, optional: contralateral
	Screening levels	70 to 95 dB HL; step size 5dB
	Test methods	Ipsilateral reflex and automatic reflex threshold Optional: contralateral reflex
	Transducers	Optional: Sennheiser HDA-280, Sennheiser HDA-300, Interacoustics DD-45, Holmco PD-81, GN ME-70, GN otolInsert, Etymotic Research ER-3A, Etymotic Research ER-3C, RadioEar IP-30, PATH EP-VIP
Instrument	Power supply	Friwo FW 7662M/12 (GPP6)
	Output rating for power supply unit	100-240 V, AC, 50-60 Hz, 0.15 A
	Output voltage and nominal impedance	5 Vpp, 32 Ω
	Rechargeable battery	3.7 V Li-Ion
	Power consumption	max. 2 W
	Dimensions	1150 x 210 x 45 mm
	Weight	475 g
	Connections	USB
Display	240 x 320 pixel, 5.0 "	

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
ENG90-507	Auditdata	Entomed TY-101 Tympanometer

Personal Sound Enclosure (PSE)

A compact, sound-controlled acoustic test chair offering comprehensive evaluations while providing maximum patient comfort.

Now you can provide your patients with a relaxed, non-isolated experience for air, bone, speech, sound field and signal-to-noise tests. Introducing the Personal Sound Enclosure – PSE – from the Special Equipment Division of Starkey Hearing Technologies.

Featuring an exclusive five-layer construction system, the PSE is the ideal sound enclosure solution for any size hearing instrument and audiology practice.

The PSE is an economical alternative to large, traditional sound rooms while using just a fraction of the space. Best of all, the PSE provides a well-lighted, custom upholstered interior, creating a relaxed, open feeling that encourages interaction and improves the test environment.

Let the PSE's enhanced comfort and highly accurate testing environment provide you with the right combination of features for your sound control and evaluation needs.

Features

- Office-Grade Acoustic Laminated Cabinet With Anti-Vibration Sound Coat
- Comfortable Upholstered Chair
- With Ergonomic Arm Support
- Soft Interior Lighting and Stereo Sound Field Speaker System
- Full-Torso Door With Acrylic Window
- Built In Jack Panel
- Caster Wheels for Convenient Movement
- Storage Area
- Available in Standard Wood Effect Colour
- Available With Right-or Left Hand Hinge Configuration

Benefits

- Relaxed, Comfortable Environment
- Economical Alternative to Costly Sound Rooms



Jack Panel



Sound Field Speaker System



Storage Area

Product features

Sound field Speakers	20 cm / 8 ohm / 32 peak watts
Height	158 cm / 62 inches
Width	81 cm / 32 inches
Depth	69 cm / 27 inches
Weight	~ 70.3 Kilograms / ~ 155 lbs. complete

PSE test data noise reduction*

Frequency Band	Noise Reduction (dB)
250 Hz	19 dB
500 Hz	8 dB
750 Hz	11 dB
1000 Hz	18 dB
1500 Hz	20 dB
2000 Hz	18 dB
3000 Hz	18 dB
4000 Hz	23 dB
6000 Hz	25 dB
8000 Hz	21 dB

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
68180-100	Starkey	Personal Sound Enclosure / Wood Effect / Right Hinge
68180-101	Starkey	Personal Sound Enclosure / Wood Effect / Left Hinge

*Defined as the difference between sound-pressure level outside the PSE and inside the PSE with sound source directed at the PSE at 90 degrees.

Amplivox Otowave 102 Portable Tympanometer

The Amplivox Otowave is shaped for success in accurate middle ear measurements.

Ergonomics

Elegantly shaped to follow the contours of a hand and with a perfect weight distribution, tests can be completed with confidence and accuracy.

Ease of use

The Otowave is very intuitive to use with on-screen information displayed before, during and after the test. The compliance peak, compliance peak pressure, gradient, ear canal volume and an ipsi lateral reflex test will be measured within seconds. The programmable reflex test can be configured for one frequency (1kHz) for the Otowave 102-1 and four (500, 1kHz, 2kHz and 4kHz) for the Otowave 102-4.

Recording results

Results are displayed for review on a large high-resolution graphics display. Results can be:

- saved within internal memory with a patient identifier
- printed via an infra-red connection to the optional portable printer
- transferred to a PC with an IrDA port,
- NOAH database with the optional
- Amplivox impedance module

Portability

Lightweight and weighing just 380g, the Otowave is designed to be a totally portable 'go anywhere' instrument which is reliable, accurate and easy to use. The Otowave requires no external power or data cables.

Features

- Fast accurate middle ear measurements
- Ergonomic shape
- Totally portable
- Intuitive use
- Large graphics display
- Programmable reflex test
- Optional portable printer and PC interface
- No external power or data cables



Product features

Standards	Safety	EN60601-1
	EMC	IEC 60601-1-2
	Impedance	EN60645-5 Type 2 tympanometer
Tympanometry	CE Mark	Complies to EU Medical Device Directive
	Probe tone	226Hz +/- 2% 85dB SPL +/- 2 dB over range 0.2ml to 5ml
	Pressure range	+200daPa to -400daPa +/- 10daPa or +/- 10% (whichever is greater)
	Direction of sweep	Positive to negative
	Volumetric range	0.2ml to 5ml +/-0.1ml or +/-5% (whichever is greater)
Reflex	Analysis performed	Compliance peak level, compliance peak pressure level, gradient and equivalent ear canal volume
	Otowave 102-1	1kHz +/-2%
	Otowave 102-4	500Hz, 1kHz, 2kHz, 4kHz +/- 2%
	Reflex dB range	85 to 100 dBHL (programmable in 5 or 10 dB steps)
	Reflex measurement range	0.01ml to 0.5ml +/- 0.01ml
Data management	Analysis performed	Reflex maximum amplitude and pass/fail at each test level
	Internal database	30 patient records Patient record identification Data transfer to designated printer or PC application
	Electronic data storage (database PC requirements)	NOAH aud module Amplivox impedance module Infra-red PC port
	Printing	Designated printer: high speed portable thermal printer Data transfer: Infra-red IrDA 9600 Baud Printing may also be completed via a PC with the relevant applications
Instrument	Power (battery)	4x Alkaline AA or 4x NiMH (>=2.3Ah) recharge)
	Dimensions (mm)	210 long x 80 wide x 40 high envelope
	Weight	380 grams (including batteries)
	Standard equipment	Operating manual Test cavities Set of disposable ear-tips Carrying case 4 x 1.5V alkaline 'AA' batteries (UK only) Amplivox NOAH impedance module Tymview PC application
	Optional equipment	Additional sets of disposable ear-tips High speed portable thermal printer

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
ENG90-311	Amplivox	Otowave 102-1 Tympanometer
ENG90-312	Amplivox	Otowave 102-4 Tympanometer

Amplivox 240

Portable diagnostic audiometer

The Amplivox 240 is a cost-effective diagnostic audiometer, which is ideal for both desktop and mobile use.

Functionality

The Amplivox 240 offers air and bone conduction audiometry. Standard features include an automatic test function (AC), narrow band masking, an attenuator range up to 120 dBHL and an integral talkover function.



Ease of use

The clearly laid out control panel makes diagnostic testing as simple and straightforward as possible. The threshold retention function reduces test time and gives a higher level of test subject concentration. Results can be saved in memory, printed with the optional printer and/or transferred to a PC with the optional NOAH interface.

Fully portable

Designed to satisfy all domiciliary testing requirements, the Amplivox 240 can be supplied with an optional battery power function in addition to the standard mains power adaptor. Its compact size, minimal weight and power options make this a totally portable diagnostic audiometer.

Features

- Easy to use
- Compact and portable
- USB connectivity
- Threshold retention function
- Optional insert headphones
- 11 test frequencies
- -10 to 120 dBHL range (AC)
- Optional battery powered feature
- Automatic AC test functionality
- NOAH interface

Product features

Standards	Safety	IEC 60601-1
	EMC	IEC 60601-1-2
	Audiometric	IEC 60645-1
	CE Mark	Complies to EU Medical Device Directive
Output / input data	Outputs	Left AC, Right AC, Bone (L&R) insert masking
	Frequency range (Hz)	AC: 125-8kHz BC: 250Hz-8kHz
	Frequency accuracy	<1%
	Output level range (AC)	-10dBHL to 120dBHL (max)
	Output level range (BC)	-10dBHL to 70dBHL (max)
	Insert masking output	90dBHL max (250-4kHz)
	Output level accuracy	Within 3dB
	Output level step size	5dB
	Output transducer options	Standard audiometric headset and/or optional insert earphones
	Tone present	Single, pulsed or warble
	AC test	Manual or automatic mode
	Masking	Narrowband
	Communication	Integral talk forward facility
	NOAH interface	Transfer of AC and BC test results
Instrument	Display	2 lines of 24 characters (backlit)
	Power (battery)	4 x 1.5V "C" type batteries
	Power (mains)	100-240V ac 50-60Hz
	Dimensions (mm)	270 x 175 x 68 high
	Weight	735 grams
	Standard equipment	Audiometric headset Bone conductor headset Patient response switch Audiogram cards (50) Operation manual Mains adaptor Integrated talk over function Custom-designed carrying case
	Optional equipment	Masking earpiece and lead Audiocups (noise reducing headset enclosures) Internal battery power option Insert earphones External printer (for AC and BC test results)

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
ENG90-300	Amplivox	Amplivox 240 Portable diagnostic audiometer

Amplivox 260

Portable diagnostic audiometer

The Amplivox 260 audiometer incorporates many innovative features which make it the ideal choice for conducting diagnostic audiometry. Specifically designed for operator ease of use and with a weight of just 830g, the Amplivox 260 is very portable.

Functionality

The Amplivox 260 offers air conduction, bone conduction and speech audiometry. Standard features include narrowband and speech weighted masking, together with a number of specialist tests.

Ease of use

A reduced test time and a higher level of test subject concentration are made possible by the threshold retention function. Results can be saved in memory, printed with the optional printer and/or transferred to a PC with the supplied NOAH interface.

Usage

With talk forward/back functionality, the Amplivox 260 can be used within a static environment with acoustic booths or as a totally portable diagnostic audiometer for peripatetic use.

Features

- Air, bone and speech audiometry
- Compact and very portable
- USB connectivity
- Talk forward/Talk back functions
- Optional insert earphones
- Threshold retention function
- UCL and threshold measurements (AC)
- 11 test frequencies
- -10 to 120 dBHL range (AC)
- NOAH interface



Product features

Standards	Safety	IEC 60601-1
	EMC	IEC 60601-1-2
	Audiometric	IEC 60645-1
	CE Mark	Complies to EU Medical Device Directive
Output / input data	Outputs	Left AC, Right AC, Bone(L&R), insert masking and freefield
	Frequency range (Hz)	AC: 125-8kHz BC: 250Hz-8kHz
	Frequency accuracy	<1%
	Distortion	<2%
	Output level range (AC)	-10dBHL to 120dBHL (max)
	Output level range (BC)	-10dBHL to 70dBHL (max)
	Insert masking output	90dBHL max (250-4kHz)
	Output level accuracy	Within 3dB
	Output level step size	2.5dB or 5dB
	Output transducer options	Standard audiometric headset (AC) and/or optional insert earphones
	Tone present	Single, pulsed, warble or continuous
	Masking	Narrowband and speech weighted noise
	Stenger	Pure tone Stenger test
	Communication	Talk over and talk back functionality
	Instrument	Recorded speech
Live speech		2 x microphone input
Level indicator		Monitors live and recorded speech
NOAH interface		Transfer of AC and BC test results
Display		2 lines of 24 characters (backlit)
Power (mains)		100-240V ac 50-60Hz
Dimensions (mm)		270 x 175 x 68 high
Weight		830 grams
Standard equipment		Audiometric headset • Bone conductor headset Patient response switch • Audiogram cards (50) Operation manual • Mains adaptor Integrated talk over function • Custom-designed carrying case NOAH interface (for AC and BC test results)
Optional equipment		Monitor/ Masking earpiece and lead • Insert earphones Combined microphone and monitor headset Audiocups (noise reducing headset enclosures) External printer (for AC and BC test results)

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
ENG90-301	Amplivox	Amplivox 260 Portable diagnostic audiometer

Amplivox 270

Portable diagnostic audiometer

The Amplivox 270 is a two channel diagnostic audiometer that excels in the critical areas of technology, ergonomics and ease of use.

Technology

A comprehensive specification including several clinical tests, transducer output choices and test result recording options together with unsurpassed product reliability is made possible by the use of advanced digital technology.



Ergonomics

The controls are arranged in a clear and logical manner. Test information appears instantaneously on the large integral display which is set at an optimal viewing angle.

Ease of use

A reduced test time is achieved with the use of the threshold retention facility and quiet, positive action rotary controls. Test results can be saved in memory, printed with the optional printer or exported via the NOAH compatible interface (AC, BC and speech).

Portable

The Amplivox 270 is a very compact audiometer and has the flexibility to be used for both clinic and portable applications. The lightweight custom designed carrying case will accommodate the audiometer and accessories.

Features

- Two channel audiometer
- Air, bone and speech audiometry
- Pure tone, continuous, pulsed and warble tones
- Range of clinical tests
- NOAH interface
- Compact and easy to use
- Talk forward/back function
- Optional printer
- Optional insert earphones

Product features

Standards	Safety	IEC 60601-1
	EMC	IEC 60601-1-2
	Audiometric	IEC 60645-1, EN60645-2
	CE Mark	Complies to EU Medical Device Directive
Output / input data	Outputs	Left AC, Right AC, Bone(L&R), insert masking and freefield
	Frequency range (Hz)	AC: 125-8kHz BC: 250Hz-8kHz
	Frequency accuracy	<1%
	Distortion	<2%
	Output level range (AC)	-10dBHL to 120dBHL (max)
	Output level range (BC)	-10dBHL to 70dBHL (max)
	Insert masking output	90dBHL max (250-4kHz)
	Output level accuracy	Within 3dB
	Output level step size	2.5dB / 5dB
	Output transducer options	Standard audiometric headset (AC) and/or optional insert earphones
	Tone present	Single, pulsed, warble or continuous
	Masking	Narrowband and speech weighted noise
	Lock	Synchronous channel lock
	Clinical tests	SISI, Stenger, ABLB
Communication	Integral talk over and talk back facility	
Recorded speech	Tape or CD input	
Live speech	2 x microphone input	
Level indicator	Monitors live and recorded speech	
NOAH interface	Transfer of AC and BC test results	
Instrument	Display	2 lines of 24 characters (backlit)
	Power (mains)	240V ac 50-60Hz
	Dimensions (mm)	355 x 230 x 100 high
	Weight	1.6 kg
	Standard equipment	Audiometric headset • Bone conductor headset Patient response switch • Audiogram cards (50) Operation manual • Mains adaptor Integrated talk over function • Custom-designed carrying case
	Optional equipment	Monitor/ Masking earpiece and lead Combined microphone and monitor headset Audiocups (noise reducing headset enclosures) External printer (for AC and BC test results) Insert earphones • Audiogram cards

Product codes

PRODUCT CODE	BRAND	PRODUCT DESCRIPTION
ENG90-302	Amplivox	Amplivox 270 Portable diagnostic audiometer

Contact Us

For more information or to contact your Starkey Regional Manager, visit bit.ly/contact-starkey or use the QR code below.



A global company headquartered in Eden Prairie, Minnesota, USA.

Starkey, William F. Austin House, Bramhall Technology Park
Pepper Road, Hazel Grove, Stockport, SK7 5BX

T: 0800 042 0000 E: sales@starkey.co.uk
W: starkey.co.uk | starkeypro.co.uk