



PC-based *audiometer*

- Increase your efficiency
- Optimize the audiometry process
- Improve the design of your clinic



Equinox - PC-based Audiometer

- Modern design and unmatched flexibility



An included mounting bracket allows the Equinox to be mounted in a variety of locations – including inside an examination room or a sound booth.

Efficient Audiometry

Imagine a faster and more efficient way of performing audiometry.

By using the new PC-based audiometer Equinox you will be able to optimize the daily routines within your field of audiology. Let the Equinox help you integrate your clinical results into your database system without the use of a pen. Instead of filling out several pages manually, simply use the flexible print wizard to print your data according to your clinic's preferences.

Or use the database compatibility to clean your desk from paper audiogram forms as well as patient journals – for an efficient paperless office.



Those not preferring operation on the PC-keyboard and mouse have the option of a dedicated keyboard. Easy programming of buttons allows for great flexibility.

PC-Based Audiometry

With the help of advanced PC technology, you can place the Equinox inside a soundbooth and run the tests from outside the booth. The USB cable can connect from the hardware to your PC. This improves previous problems of unreliable connections with patch cords.

The dedicated wallmount allows for flexible placement of your new audiometer. Place it on the wall, underneath the table or allow it to function as a base for your PC-monitor or other equipment.

The design of the Equinox allows you to get rid of your old bulky audiometer and replace it with an attractive solution helping you to lift the impression of your clinic to a new level.

Full-featured clinical audiometer with AC440

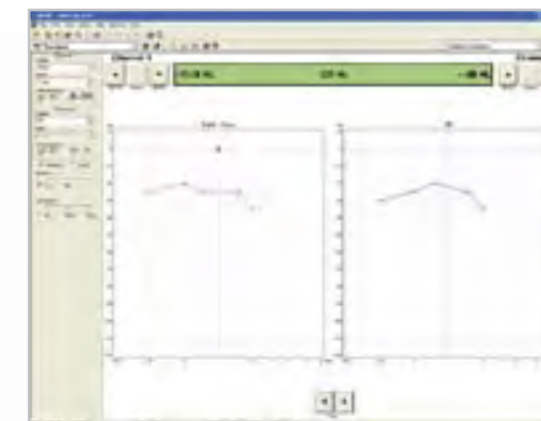
Used with the AC440 audiometry software, you get a full two-channel clinical audiometer.

The AC440 software includes all the traditional clinical testing capabilities such as air, bone and speech. But when combined with the flexibility of a PC, you get the unprecedented flexibility to use the standard test protocols or customize your own – choose which tests you run and in what order, set your levels, make short-cut keys and save your settings as your own personal profile. In fact, each user can have a unique procedure. It's like having a personalized audiometer for each test administrator, but the expense of just one unit.

Full integration

The Equinox AC440 is a PC-based unit with a central database. All client data can be saved directly to NOAH or Interacoustics' own IABaseII database during the audiometric evaluation.

While you can operate all the audiometric testing from the PC itself, you can also choose instead to perform the tests from an optional dedicated audiometry keyboard and your data will still interact with the software on your PC. The benefit however, is that you get the familiarity of working with traditional audiometer keys rather than a PC keyboard.



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The functionality of the Equinox will make it a welcome and integral part of your daily routine, and the elegant design makes it a welcome addition to your office.



General Technical Specifications

Standards:

Safety: EN 60601-1, Class I, Type B, UL 2601-1, CAN/CSA-C22.2 No. 601.1-M90, EN 60601-1-1. **EMC:** EN 60601-1-2.

Medical CE-mark:

The CE-mark indicates that Interacoustics A/S, Assens meets the requirements of the Annex II of the Medical Device Directive 93/42/EEC.

Approval of the quality system is made by TÜV – identification no. 0123.

Computer Communication:

Built-in USB1.1 computer interface.
Optical isolation available.

PC requirements:

Processor/clock speed: Pentium 4, 800 MHz
System RAM: 128 MB
Screen Resolution: 800 x 600
Windows 98 SE/2000/ XP/ME

Construction:

Weight: 5.1 kg / 11.3 lbs.

Dimensions: LxWxH: 37x43,5x7,7 cm/
14.5x17x3 inches.



Technical Specifications - AC440 Audiometry Software

Audiometer Standards:

Tone: EN60645-1/ANSI S3.6 Type 1
Speech: EN60645-2/ANSI S3.6 Type A or A-E.

Calibration:

AC: ISO389-1, ISO389-2.
BC: ISO389-3.

Maximum Hearing Levels:

Hz	AC	AC	BC	NB	Ext.FF
	dBHL	dBHL	dBHL	dBHL	dB SPL
	TDH39	EAR-Tone5A	B71	TDH39	
125	90	90		75	80
250	110	105	45	95	95
500	120	110	65	110	100
750	120	115	70	110	105
1000	120	120	70	110	105
1500	120	120	70	110	105
2000	120	120	75	110	105
3000	120	120	80	110	110
4000	120	115	80	110	110
6000	120	100	50	110	105
8000	110	95	50	100	85

Extended Range Function:

If not activated, the AC output will be limited to 20 dB below maximum output.

Input:

Tone, Warble Tone, CD1, CD2, Mic1, Mic2.

Masking Stimulus:

Narrow Band Noise or White Noise or Speech Noise.

Outputs:

AC Left + Right, BC Left + Right, Insert Phone Left + Right, Insert Masking, FF1 and FF2.

Transducers:

TDH39 Audiometric headset.
EAR-Tone 5A Insert phones (optional).
HDA200 Audiometric headset (optional).
B71 Bone conductor.

Tone Presentation:

Manual or Reverse. Single or multiple pulses.

Patient signal:

One or two (optional) hand held push button.

Patient communication:

Talk Forward and Talk Back.

Free Field:

Built-in 2x10W amplifier or
External, optional amplifier 2x12W (AP12) or
External, optional amplifier 2x70W (AP70).

Monitor:

Channel 1 and Channel 2.

Storing capability:

Tone audiogram: dB HL, MCL, UCL
Speech Audiogram: SRT, SDS1, SDS2, SDS3, MCL, UCL, Aided, Unaided.

Compatible Software:

NOAH 3, IaBaseII.

Included Parts:

AC440 CD
TDH39 Audiometric Headset
B71 Bone Conductor
APS2 Patient Response Button
EMS400 Talkback Microphone
MTH400M Monitor Headset/Boom Mic.
Standard USB Cable
Power Cable 120 or 230V
Operation, Service, and Multilingual CE Manual

Optional Parts:

Audiometer Keyboard with live voice mic.
EarTone5A Audiometric Headset
CIR22 Insert Masking Earphones
Audiocup Enclosures
UCO15 Optical USB Extension Cable

MTH400 Headset
AP12 Power Amplifier 2x12 Watt
AP70 Power Amplifier 2x70 Watt
ALS7 Loudspeaker
AFC8 Sound Cabin Installation Panel

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