



PC-based *audiometer*

The Equinox brings modern design and unmatched flexibility to the contemporary clinic or dispensing practice.

- As a stand-alone PC-based audiometer requiring minimal space the Equinox will fit easily in your practice. An included mounting bracket allows the Equinox to be mounted in a variety of locations – including inside an examination room or a sound booth. This feature can reduce the clutter of sound room cables by up to 80% and help avoid potential erroneous test results.

- The Equinox has the flexibility to be the instrument you want it to be. Used with the AC440 audiometry software, you get a full two-channel clinical audiometer. Multiple transducers, amplification for free field speakers and patient assistant communication are just a few of the standards included with the AC440 module.

- Easily interface with NOAH or the Interacoustics IABaseII database software to store and retrieve data for professional reports, customization and instant recall of data as you need it during testing.



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:

Metal cabinet.

Weight:

5.1 kg / 11.3 lbs.

Dimensions:

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



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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:

	AC dBHL	AC dBHL	BC dBHL	NB dBHL	Ext.FF dBSPL
Hz	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: 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
ACC60 Affinity carrying Case
CIR22 Insert Masking Earphones
Audiocup Enclosures
Peltor Noise Excluding Headset

MTH400 Headset
AP12 Power Amplifier 2x12 Watt
AP70 Power Amplifier 2x70 Watt
ALS7 Loudspeaker
AFC8 Sound Cabin Installation Panel
UCO15 Optical USB Extension Cable

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