

AC33

Clinical audiometer



*Save time on routine
Focus on results*



Interacoustics®

leading diagnostic solutions

AC33

Clinical audiometer

Two channel audiometer

The AC33 is a classic two channel clinical audiometer that is perfect for busy medical clinics, private practice and in hearing aid dispensing offices. It provides pure tone and speech testing with full masking capability and a number of built-in tests with automatic scoring. The easy to read display and functional front panel layout make testing easy and comfortable.

Two independent channels

The AC33 has two fully independent channels, making it possible to perform a full range of clinical tests, including ABLB, Stenger (tone or speech), binaural speech tests, tone in noise and SISI.

Speech testing

Live voice speech material can be delivered through the built-in goose neck microphone or via an optional external microphone. True RMS VU-meters make it easy to monitor intensity. There is an input for pre-recorded speech material from CD or tape. Monitoring is possible via the built-in loudspeaker, headphones or active external loudspeaker. Speech scores are updated after each incorrect/correct result noted by the tester.

Free Field capability

Speech, tone or noise may be presented under free field conditions. Presentation levels range from 95 to 105 dB SPL. A set of connection panels are available for connection to a sound booth. Ask your local distributor for more details.

Masking

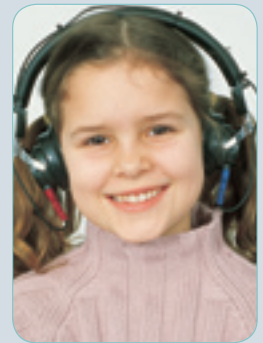
The AC33 automatically selects masking appropriate to the stimulus. A "synchronize" function locks masking levels to changes in stimulus level. Ipsi and contralateral masking are available for both tone and speech testing.

Auto threshold test

The AC33 has an automatic threshold test (based on the Hughson-Westlake) that conforms to ISO 8253-1.

PC connectivity

The AC33 has PC-connectivity and is NOAH compatible. Interacoustics own OtoAccess™ database or the NOAH software can be used to transfer test results to a computer or workstation.





Tests

- *Air conduction*
- *Bone conduction*
- *Speech*
- *Binaural speech*
- *Auto Threshold*
- *Free Field testing*
- *Stenger*
- *ABLB*
- *SISI*
- *Tone or speech in noise*

AC33

- *Classic two-channel audiometer*
- *Designed for fast and reliable performance*
- *PC integration for printing & storage*
- *Synchronized masking*



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Technical Specifications

Channels:	Two independent channels
Channel 1:	Input: Tone, Microphone, Tape/CD 1+2. Output: Left, Right, Bone L+R, Free Field 1+2, Insert phones
Channel 2:	Input: Tone, Microphone, Tape/CD, 1+2, NB, SN, BB. Output: Left, Right, Bone, Free Field 1+2, Insert phones, Insert masking, Off
Tone Stimuli:	Manual, continuous, single pulse, pulsing
Speech:	Live, Tape or CD
Intensity :	AC: -10 to 120 dB HL in 1 or 5dB steps. BC: -10 to 80 dB in 1 or 5 dB steps
Frequency Range:	125-8000 Hz, Warble 5 Hz \pm 5%
Talk forward:	0-110 dB SPL
Talk Back:	Microphone input
Monitor:	Built-in speaker or external loudspeaker
Special tests:	Auto Threshold. ABLB. SISI. Stenger
Free Field:	
System FFAC33:	Built-in 2x12W amplifier APDAC33 and two ALS7 speakers. 95dB SPL. (Optional)
System FF ext:	External 2x70W amplifier, AP70, and two ALS7 speakers. 105dB SPL. (Optional)
Computer communication:	Built-in RS232C two way computer interface which allows the computer to both monitor and control the AC33
Dimensions:	(LxWxH): 48x40x15 cm / 19x16x6 inches.
Weight:	9 kg / 20lbs.
Power:	AC 50-60 Hz. 100-120 V, 200-240 V.
Consumption:	Max. 140 VA.
Standards:	Audiometer: IEC 60645 -1, IEC 60645-2, ANSI S3.6, Type 2. Speech: IEC 60645-2/ANSI S3.6 type A or A-E. Safety: IEC 60601-1, Class I, Type B. EMC: IEC 60601-1-2
Medical CE-mark:	Yes
Included parts:	TDH39 Audiometric headset B71 Bone conductor Goose-neck electret microphone APS3 Patient response button Power cable Dust cover 200 AF12 Audiogram charts, Pen set Operation manual CD, Multilingual CE instructions for use
Optional parts:	AP70 2x70 watt external power amplifier ALS7 FF loudspeaker (AP70) AFC8 Sound cabin installation panel EM400 Electret microphone for talk back 21925 Audiocup enclosures 50250 Peltor noise reducing headset CIR22 Insert earphone for masking and monitoring EAR-Tone 5A Insert phones MTH400 Monitor headset MTH400M Monitor headset with boom mic. IFC5/IFC39 RS232C Computer connection cables OtoAccess™ Database and diagnostic modules software IA-NOAH-Aud software
Options:	APD-AC33 Built-in 2x12 watt power amplifier for FF

Other audiometers

- PA5 Pediatric Audiometer
- AS608 Screening Audiometer
- AD226 Diagnostic Audiometer
- AD229b Diagnostic Audiometer
- AD229e Diagnostic Audiometer
- AC40 Clinical Audiometer
- Equinox Clinical Audiometer

Audiometry and Middle Ear Analyzer in one:

- AA220 Audio Traveller
- AA222 Audio Traveller



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Read more here:
www.interacoustics.com/com/AC33