

AD229e

Diagnostic Audiometer



*Save time
Focus on results*



Interacoustics®

leading diagnostic solutions

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Save time, focus on results

The AD229e is a high quality diagnostic audiometer well suited for stationary or portable applications. It combines time saving testing features and provides a computer interface ideal for modern healthcare EMR requirements. Dispensing practices will benefit from the new Diagnostic Suite/NOAH interface for improved reporting and transitioning into hearing aid fitting sessions.

Auto Threshold and Békésy

The AD229e incorporates a function for performing threshold determination automatically. The test procedure is based on the Hughson-Westlake method (up 5dB, down 10dB) and conforms to ISO 8253. Desired test frequencies may be selected freely by the user.

The Békésy Test, featuring pure tone, pulsed tone or narrow band noise as stimuli as well as masking with narrow band noise, is incorporated. After testing the test results can be recalled from the memory of the AD229e or transferred to a PC for database storage or printing. A buzzer is built in, allowing the operator to be informed about test status when doing automatic tests.

ABLB / SISI / Stenger / Tone in Noise

As well as the pre-programmed ABLB and SISI tests the AD229e can perform the Stenger Test with pure tones for evaluating malingering, or as a binaural speech test with a monophonic speech signal. The Langenbeck "Tone in Noise" Test is also available.

Master Hearing Aid

The AD229e incorporates a 2 channel master hearing aid feature for demonstrating the affects of aided amplification. The speech signal from the live voice microphone is transformed directly into digital signals, and all sound shaping filters ensure high quality sound reproduction.

Printing

PC connectivity provides options for data storage and full page reports via NOAH or the Interacoustics database software OtoAccess™.

Free Field capability

With amplified speakers, the AD229e delivers all the power required for traditional free field examinations. It is recommended that you consult with your local distributor for the appropriate speaker setup in your environment.

Speech Testing and Communication

The AD229e comes equipped with a built-in boom mic and monitor/mic headset to handle live voice while recorded speech material is presented via CD inputs. The clinical configuration provides all the necessary hardware for sound room connectivity – including talkback monitoring while the portable configuration includes a lightweight, hard-shell case to protect your valuable investment.

Other features

- Two-channel speech
- Synchronuous masking

Special Tests

The AD229e comes standard with a variety of time saving and clinically useful test applications. These include

- Tone Stenger
- Speech Stenger
- Auto HL (Hughson-Westlake and Bekesy)
- Binaural Speech
- ABLB
- SISI
- Synchronous Masking



Hard shell carrying case

PC Integration, Printing and Reports

With the new Diagnostic Suite software program the AD229e can interface directly to the IA OtoAccess™ database program or to NOAH on your PC. In either case, the Diagnostic Suite will make your reports stand out. Diagnostic Suite offers features such as:

- Simple audiometric data transfer
- Customized report templates
- Customized print templates
- Patient and session handling
- Audiometric symbol editor
- Database integration into NOAH or OtoAccess™

NOAH

The AD229e can transmit all test data to the NOAH audiometry module eliminating the need for time consuming manual data entry.

OtoAccess™

Interacoustics also offers OtoAccess™. This is an independent database program that can store and retrieve patient data, including audiometry. In addition, OtoAccess™ communicates with other Interacoustics products, allowing impedance, ABR, VNG and OAE data to be stored conveniently in the same patient file as the audiometry. Networking the software allows users secure access to patient data from other office computers at any time.



Diagnostic Suite software



AD229e

- Versatile deployment options
- Extensive diagnostic test battery
- PC integration for printing, storage, sharing and hearing aid fitting



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Technical Specifications

Intensity :	-10 to 120 dB HL in 1 or 5 dB steps. 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
Input:	Tone, Warble Tone $\pm 5\%$, 5Hz (true sine wave frequency modulation), tape/CD 1+2, mic.
Masking stimulus:	Automatic selection of narrow band noise (or white noise) for tone presentation and speech noise for speech presentation.
Outputs:	Left, Right, Bone L+R, Insert Phones, Insert Masking, FF1, FF2.
Talk forward:	Built-in talk forward microphone. 0-110dB SPL continuously adjustable on operation panel.
Monitor:	Output of tape or CD through built-in speaker or through external earphone or speaker.
Tone presentation:	Manual or Reverse. Single pulse. Multiple pulses 250-5000 msec. on/off.
Frequency selection:	125Hz, 250Hz, 750Hz, 1500Hz or 8kHz may freely be deselected
Special tests/test battery:	SISI. ABLB. Stenger. Stenger Speech. Langenbeck (tone in noise). Békésy Test. 2 channel speech, 2 channel Master Hearing Aid, Auto threshold.
Display:	Alpha-Numeric Display.
Examples of compatible Windows® software:	Diagnostic Suite for PC-integration (OtoAccess™ and Noah compatible)
Power supply:	External UPS400 (included). 100-240 V
Consumption:	40 VA
Dimensions and weight:	(LxWxH): 36x26x10 cm / 14x10x4 inches. Weight: 1.8kg/4.0 lbs. (external power supply UPS400 + 0.8kg/1.8 lbs.)
Audiometer standard:	EN 60645 -1, ANSI S3.6, Type 2. Speech: EN60645-2/ANSI S3.6 type B or B-E.
Safety standard:	EN 60601-1, Class 1, Type B.
Medical CE-mark:	Yes
Clinical version includes:	TDH39 Audiometric Headset B71 Bone conductor APS3 Patient response switch Patch cords Talk back mic Mic/monitor headset Talk back mic Mic/monitor headset Pen set and dust cover Power cable Operation manual CD, Calibration certificate and warranty card
Portable version includes:	TDH39 Audiometric Headset B71 Bone conductor Patient response switch Patch cords Talk back mic Mic/monitor headset Pen set and dust cover Power cable Operation manual CD, Calibration certificate and warranty card ACC25 universal carrying case

Other audiometers:

- PA5 Pediatric Audiometer
- AS608/AS608e Screening Audiometer
- AD226 Diagnostic Audiometer
- AC33 Clinical Audiometer
- AC40 Clinical Audiometer
- Equinox^{2.0} PC-based Audiometer

Audiometry and middle ear analyzer in one:

- AA222 Audio Traveller



Sales and service in your area:

Read more here:
www.interacoustics-us.com/us/AD229e

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