

Interacoustics AD229 Kamplex KLD23

Diagnostic Audiometer - Efficient Hearing Examinations



AD229

The high quality of the AD229 makes it well suited for any stationary or portable application where diagnostic testing of air, bone and speech is performed.

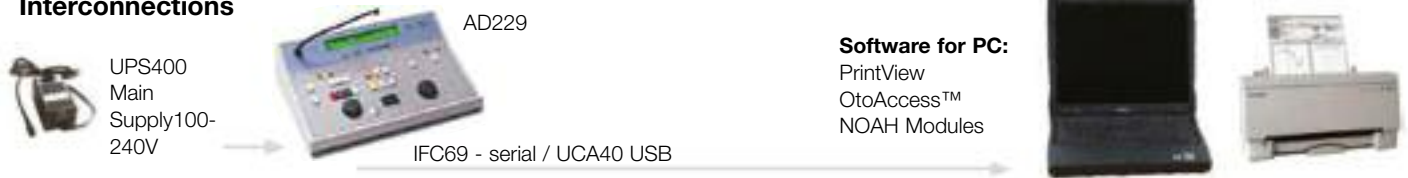
The time saving automatic test functions combined with the computer interface makes the AD229 ideal for modern healthcare environments. The talk forward and talk back functions make it easy to work with the AD229, especially with sound booth installations. Full NOAH compatibility completes the picture.

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General Technical Specifications

Interconnections



Standards:

Audiometer: EN 60645 -1, ANSI S3.6, Type 2
Speech: EN60645-2/ANSI S3.6 type B or B-E.
Safety: EN 60601-1, Class 1, Type B.

Medical CE-mark: Interacoustics A/S 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.

Calibration: AC: ISO 389-1 (TDH39), ISO 389-2 (EARTone5A), BC: ISO 389-3.

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.

Transducers:

TDH39 Audiometric Headset.
EAR-Tone 5A Insert Phones (optional).
HDA200 Audiometric Headset (optional).
MI B71 Bone Conductor.

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.

Auto Threshold: Patient controlled Hughson Westlake procedure according to ISO 8253-1 or OSHA procedure with automatic re-check (US edition only).

Frequency Selection: 125Hz, 250Hz, 750Hz, 1500Hz or 8kHz may freely be deselected if a quicker test routine is desired.

Synchronous Masking: Locks channel 2 attenuator to channel 1 attenuator.

Store Function: Internal memory for AC L/R and BC L/R and full speech curve.

Tests:

SISI with auto score calculation. (5dB included for familiarization).

ABLB

Stenger (Binaural pure tone stimulation).

Stenger Speech (Binaural speech test with monophonic signal).

Langenbeck (Tone in Noise).

Békésy Test: Pure tone or narrow band stimulation. Fixed frequency. Continuous or pulsed tone.

2 channel speech: Input for 2 channel prerecorded material.

2 channel Master Hearing Aid:

Both channels operate independently with gain and filter settings.

Display: Alpha-Numeric Display.

Patient Signal: Reed switch push button.

Examples of Compatible Windows

Software:

Interacoustics OtoAccess™ database and diagnostic modules
PrintView for on-line PC monitoring and printing.
NOAH hearing aid fitting software.

Construction: Plastic cabinet.

Attenuator controls: Rotary switches.

Power Supply: External UPS400 (included). 100-240 V.

Consumption: 40 VA.

Dimensions (LxWxH): 36x26x10 cm / 14x10x4 inches.

Weight: 1.8kg/4.0 lbs. (external power supply UPS400 + 0.8kg/1.8 lbs.)

Air freight packing:

1 case: 48x31x37 cm /19x12.2x14.6 inches.
Gross weight: 5.6 kg/12.4 lbs.

Frequencies and Maximum Hearing Levels:

	AC dBHL	AC dBHL	BC dBHL	NB/SN dBHL	FF dB SPL
Hz	TDH 39	EAR- Tone5A	B71		
125	90	95		80	90dB to 115dB SPL depend- ing on FF system
250	110	100	45	100	
500	120	110	65	110	
750	120	120	70	110	
1000	120	120	70	110	
1500	120	120	70	110	
2000	120	120	75	110	
3000	120	120	80	110	
4000	120	120	80	110	
6000	120	105	55	110	
8000	110	100	50	90	

Extended Range Function: If not selected, the AC output will be limited to 20dB below maximum output.

Input: Tone, Warble Tone $\pm 5\%$, 5Hz (true sine wave frequency modulation), tape/CD 1+2, mic.

Masking Stimulus: Automatic selection of

Included Parts:

TDH39 Audiometric headset
MI B71 Bone conductor
Patient response button
UPS400 External power supply
MI111 Audiogram charts
3 Pens
Power cable
Dust cover
Operation manual CD
Multilingual CE instructions for use

Optional Parts:

Audiocups
ACC25 Carrying case
EARTone 5A Audiometric insert phones
HDA200 Audiometric headset
CIR22 Insert earphone set for masking or monitoring
UCA40 USB computer cable
IFC69 (9 pins) serial computer cable
EM400 Talk back microphone
MTH400 Monitor headset

MTH400M Monitor headset with boom mic.
Interacoustics database OtoAccess™ and diagnostic modules software
PrintView software
IA-NOAH-Aud Software

SPECIFICATION CAN BE SUBJECT TO CHANGE WITHOUT NOTICE

THE UK'S LEADING SOURCE OF AUDIOLOGICAL INSTRUMENTS