

AD629

Diagnostic Audiometer



The true hybrid

– Stand alone & PC-based audiometry in one box



Interacoustics[®]

leading diagnostic solutions

AD629

Diagnostic Audiometer

The first true hybrid audiometer

The AD629 is a new concept - We call it the first true hybrid because it combines the best of the past, present and the future – all in one compact and integrated design. We have taken all the best from our AD229 and brought it to a new level that fits the demands of a robust, modern and fully PC-based diagnostic audiometer.

All in one box

The AD629 offers a familiar interface with all the features of a traditional standalone audiometer. In addition it offers features typically found only with PC-based platforms such as EMR integration, flexible reporting tools and database storage (Noah, OtoAccess™).

Design perfection

The design and ergonomics of AD629 is truly exceptional. The large 5.7 inch/14.5 cm high resolution color display presents a clear image with easy to read audiograms. No need for pen and paper! The articulating display is easily adjusted to your preferred reading position.

Familiarity and speed

The familiar and intuitive button layout allows to keep an eye on the patient during testing. It is ergonomically designed for optimal speed and comfort. Several viewing modes make it possible to configure it for your optimal use by choosing between single or dual audiogram mode and graph or table speech displays.

Ultimate versatility

The AD629 presents a professional image whether in a clinic – or on the road. The internal processor makes it possible to bring it on the road without needing to bring a computer for storage. Connect to the PC back in the office and synchronize with the local EMR (Electronic Medical Record) system or database (e.g. Noah or the Interacoustics database OtoAccess™).

Future safe investment

AD629 is a future safe solution that can easily be upgraded to accommodate future needs and trends within the audiometric world.



Benefits

- Full PC-integration (true hybrid)
- High performance and speed
- Versatility
- Extensive diagnostic test battery

Highlights

- Large 5,7"/14.5 cm adjustable high resolution graphical color display
- Internal storage for 500 patients/ 50,000 test sessions
- Integrated pre-recorded speech
- Direct print options
- Compact and portable design (35 x 29 cm / 14 x 11 inch.)

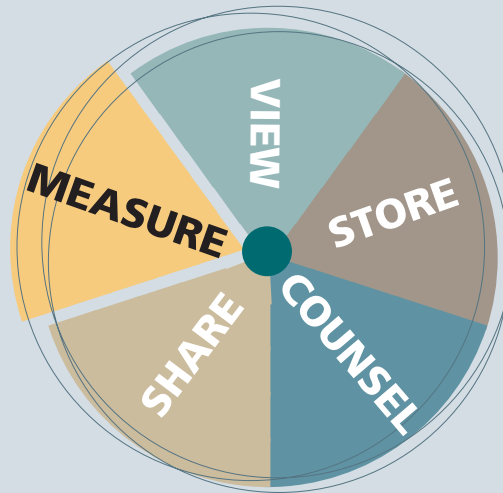
Tradition and innovation

High performance – a trusted partner

The AD629 offers all the features and functions needed in a busy ENT clinic or dispensing practice. It offers two channel tone and speech testing with built-in speech lists, a battery of special tests for advanced clinical diagnosis, PTA calculations, and much more. Comprehensive patient communications makes it ideal for sound booth installations. There is an optional high frequency module testing up to 20,000 Hz.

The AD629 is designed to save time by offering you a fast and reliable partner that supports your daily work.

- **MEASURE** using an intuitive and well-proven user interface
- **VIEW** results on a large color display
- **STORE** data in multiple data sources
- **COUNSEL** patients
- **SHARE** with others using building reporting tools



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The diagnostic test battery

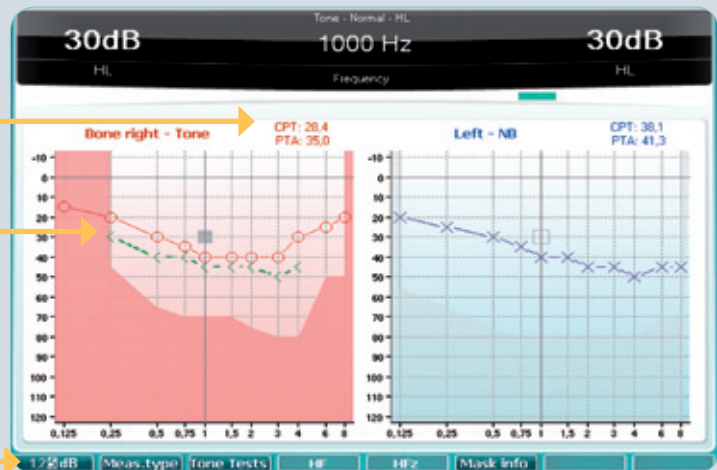
AD629e provides all the necessary air, bone and masking features required for basic or advanced diagnostic and clinical use. The built-in high resolution color display offers dedicated test screens as well and many display and test options.

Tone audiometry

Automatic CPT and PTA calculation

User defined symbol scheme

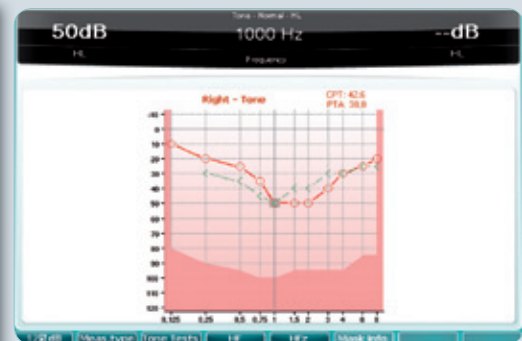
Easy access to main functions



Dual audiogram mode

Highlights

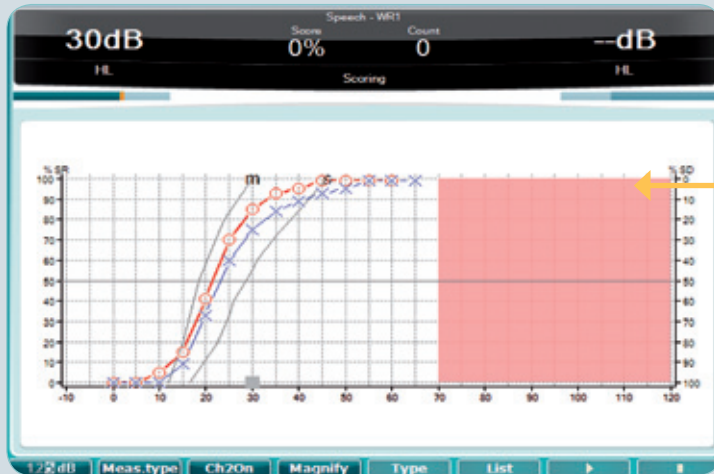
- Single or Dual audiogram mode
- Show masking Information
- Select different tests: Stenger, ABLB and Langenbeck
- Select measurement types: HL, MCL, or UCL
- Symbol editor: Select our predefined symbols schemes or simply design your own using our PC software
- High Frequency option up to 20,000 Hz



Single audiogram mode

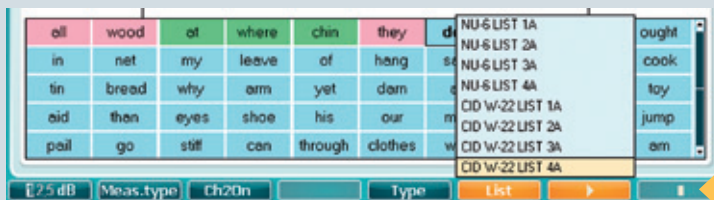
In US version the speech aud. and table aud. screen shots will be swapped

Speech audiometry



Choose between graph or table mode

Graph mode



Built-in media player for playing prerecorded speech material

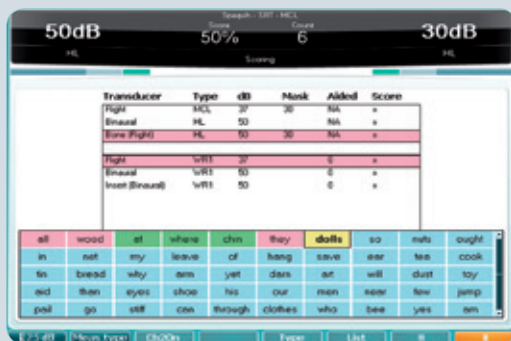


Table mode

Highlights

- Integrated recorded speech material
- Multiple playing and scoring options and well as automatic calculation of speech score
- AD629 (extended version only) gives you full freedom to present speech in one or both ears simultaneously. This allows for a variety of advanced procedures as well as speech in noise testing
- Traditional speech testing using live voice microphone, CD-player or MP3-player (iPod)



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The true hybrid - overview

Large color display

5.7"/14.5 cm adjustable
high resolution graphical
color display

2 Channel tone and speech testing with dedicated test screens

Fully customizable

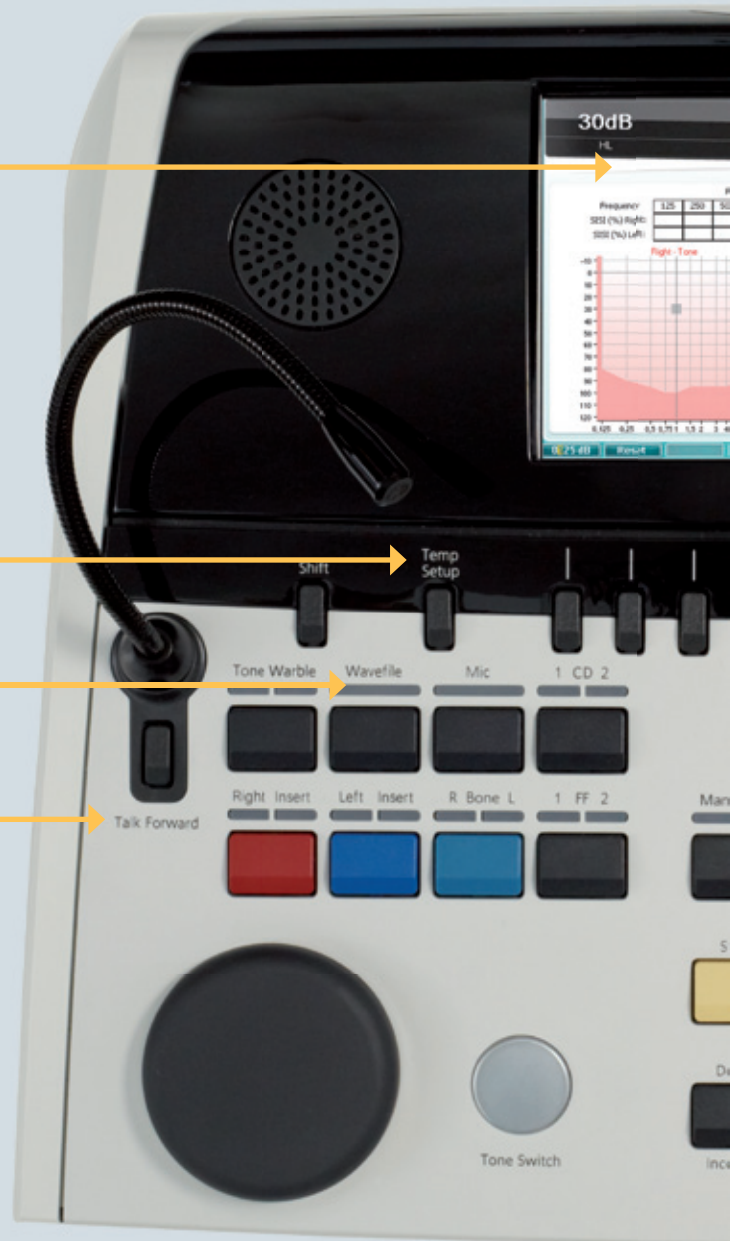
Via user friendly setups

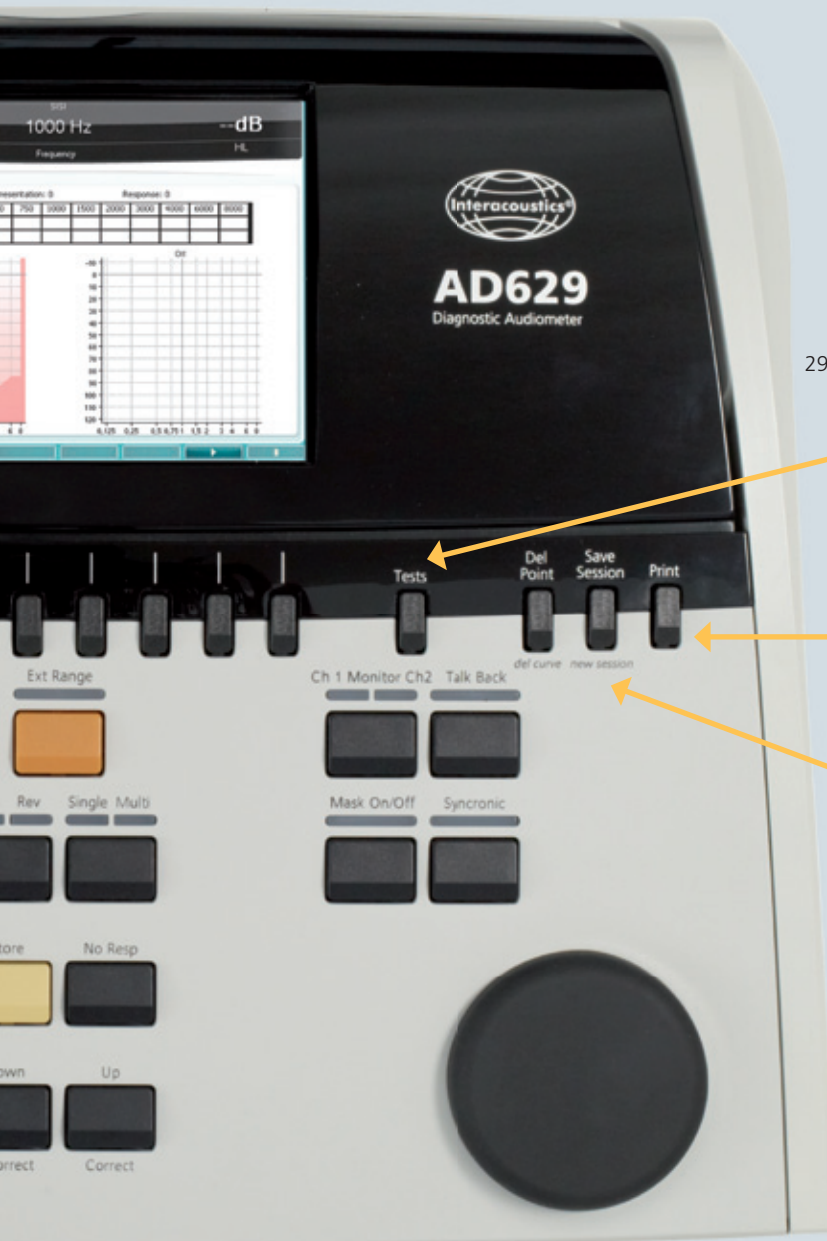
Integrated recorded speech material

Two way patient communication

High Frequency option (20,000 Hz)

Built-in power supply





Full PC and EMR interface
Two-way PC-control via the Diagnostic Suite software

Customized printing and reporting
Via the print wizard

Dedicated special tests:

- Hughson WestLake
- Bekesy
- ABLB
- SISI
- Langenbeck
- Master Hearing Aid

Direct print
Support for direct print

Patient / session storage
Internal storage for 500 patients/50,000 test sessions. Historical audiogram view and print

Compact and portable design
Perfect for both portable and stationary use

Familiar & intuitive button layout

29 cm / 11 inch.

35 cm / 14 inch.



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Printing and reporting

Interacoustics software suites include a common embedded print wizard. This is a flexible tool that supports reporting requirements for streamlining workflow. The Print Wizard combines audiometric, impedance and fitting data for full patient reporting. Unlimited customized templates permit useful alternative templates for different test applications.

EMR and 3rd party integration

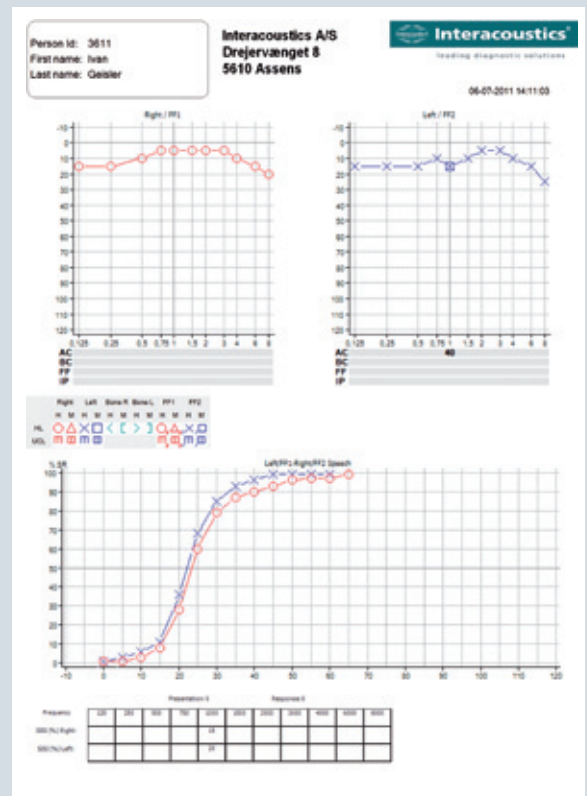
Interacoustics Suites are prepared for the demands of modern Electronic Medical Records and 3rd party systems by using well-defined and documented interfaces with standard protocols like XML and GDT formats. New methods will continually be implemented as new trends arise.

Data storage

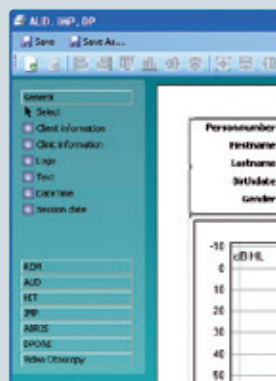
The Interacoustics Suites are designed to integrate data through NOAH or our own proprietary OtoAccess™ database. In addition, all instruments may be run in 'stand-alone' mode and then integrating data via PDF to EMR.

Future safe platform

Interacoustics Suites are future proof platforms serving as the core for all future software based products. Users will benefit from this concept for years to come.



Direct printout via printer connected to the AD629



Merge and configure input from different sources in the Print Wizard



Design your own reports

Retrieve patient demographics from OtoAccess™ and NOAH

Person number 1234567890
 Firstname Joan
 Lastname Jones
 Birthdate 05-05-1962
 Gender Female

Interacoustics A/S
 Drejervej 8
 DK - 5610 Assens
 Denmark

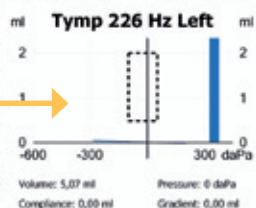
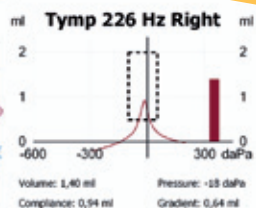
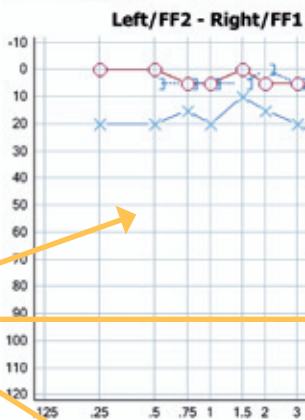


IHP 12-02-2009
 AUD 12-02-2009

Insert bitmaps such as clinic logo

Individual session dates

Merge audiometric and impedance test data on a single page



Text field for session observations and conclusions

Both left audiogram and tympanogram fit to the known perforation.
 John Smith
 Clinical audiologist

	Right	Left	Bone R	Bone L	FF1	FF2
HL	O	M	H	H	H	H
UCL	m	m	m	m	m	m

Highly configurable symbols for quick reference

Printout via Diagnostic Suite software and the print wizard



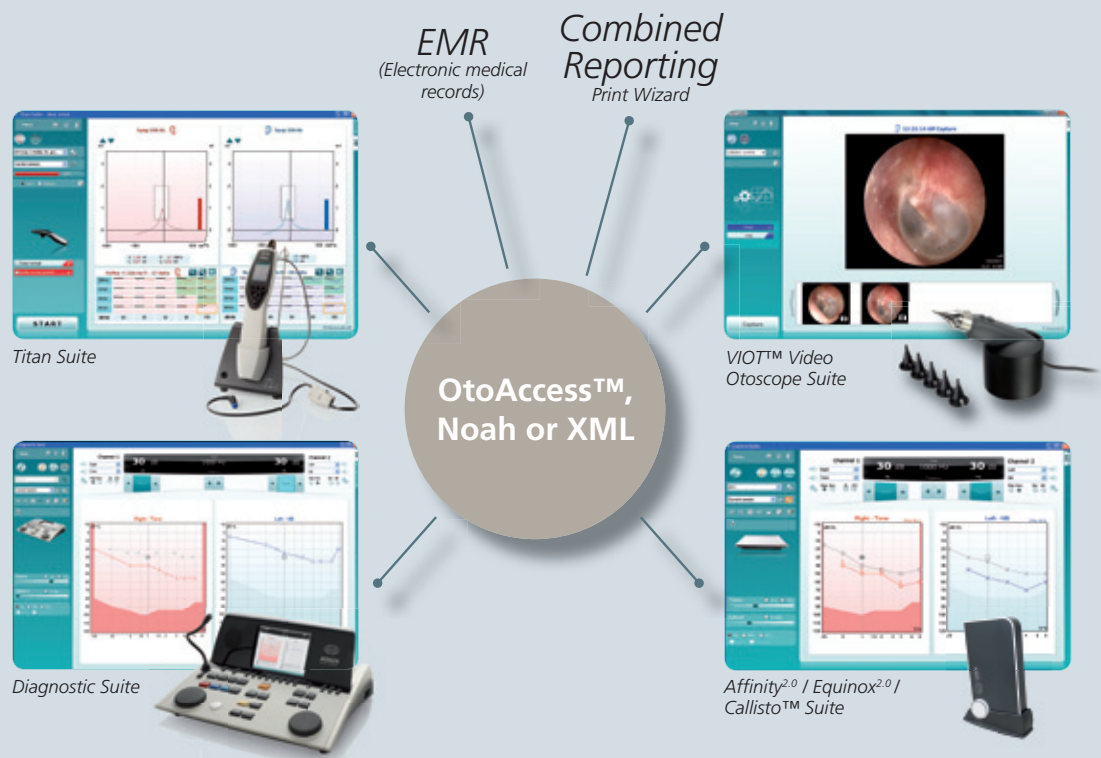
AD629

Combinations & Specifications

Popular combinations

Interacoustics provide a comprehensive software based solution for audiologic diagnostics and hearing aid fitting. Through our intuitive and easy to use software suites the AD629 can easily be combined and integrated with our other instruments.

The Interacoustics Suites integrate various measurement modules in a common yet intuitive and user friendly way to enable viewing, storing and printing of shared data.



Diagnostic Suite supports all stand alone audiometers and tympanometers: AS608/AS608e, AD226, AD229b/AD229e, AD629, AC33, AC40, MT10, AT235/AT235h, AA222/AA222h.

Safety standards	IEC60601-1, ES60601-1, CAN/CSA-C22.2 No.60601-1
Classifications	Class I, Applied parts type B. Continuous operation
Audiometer standards	Audiometer: IEC 60645 -1, ANSI S3.6, type 2. Speech: IEC 60645-2/ANSI S3.6, type B or B-E.
Calibration	AC: ISO389-1, ISO389-2; BC: ISO389-3, IEC 60645-4. (Optional license)
Extended range function	If not activated, the AC output will be limited to 20 dB below maximum output.
Input	Tone, Warble Tone, NB, CD1, CD2, Mic1, Mic2, wave files.
Masking stimulus	Automatic selection of narrow band noise (or white noise) for tone presentation and speech noise for speech presentation.
Outputs	AC Left + Right, BC Left + Right, Insert Phone Left + Right, Insert Masking, FF1 and FF2.
Transducers	TDH39/DD45 Audiometric headset, B71 Bone conductor.
Tone presentation	Manual or Reverse. Single or multiple pulses.
Patient signal	One hand held push button.
Intensity	AC: -10 to 120 dB HL in 1, 2 or 5dB steps. BC: -10 to 80 dB in 1, 2 or 5 dB steps
Frequency range	125Hz to 8kHz. Optional HF up to 20 Hz.
Patient communication	Talk Forward and Talk Back.
Monitor	Output through built-in speaker or through external earphone or speaker.
Internal storage	Internal storage for 500 patients/50,000 test sessions.
Frequency selection	125Hz, 250Hz, 750Hz, 1500Hz or 8kHz may freely be deselected
Special tests/test battery	Auto threshold, ABLB, Stenger, Stenger Speech. Extended version (AD629e) only: SISI, Langenbeck (tone in noise), Békésy, 2 channel speech, 2 channel Master Hearing Aid.
Display	5.7 inch/ 14.5 cm high resolution color display 640x480 pixels
Connectors (sockets)	Back: 4 USB, 1 Ethernet, 2 Free Field (phono), Phone L/R (large jack), Insert L/R (large jack), Bone (large jack), Patient Response (large jack), Talk Back (large jack), Mic 2 (large jack), CD1 (phono). Left side: Headset (phono), Mic 1 (phono)
Direct print (USB)	Supported printers: HP (PCL 3, HP PCL 5e), Epson (ESC/P2, LQ, Stylus Color), Cannon (iP100, iP90, BubbleJet), PocketJet II, 200, 3, Porti-W40, MTE Mobile Pro Spectrum, M-300, Zebra CPCL printers
External devices	Standard PC keyboard mouse and keyboard (for data entry)
Compatible software	Diagnostic Suite - Noah, OtoAccess™ and XML compatible
Dimensions (LxWxH)	36.5x29.5x6.5 cm / 14.4x11.6 x2.6 inches
Weight	3.3kg/6.3lbs
Power supply	Built-in power supply, 100-240 V, max 0.5Amp
Medical CE-mark	Yes
Included parts	DD45 Audiometric headset B71 Bone conductor APS3 Patient response button Goose neck microphone Power cable Operation manual CD Multilingual CE instructions for use
Optional parts	Diagnostic Suite software OtoAccess™ database 21925 Amplivox audiocups, noise reducing headset 50250 Peltor noise reducing headset Carrying case (Standard or Trolley Style) EARTone3A Audiometric insert phones HDA200 Audiometric headset CIR22 Insert earphone set for masking or monitoring EM400 Talk back microphone MTH400 Monitor headset MTH400M Monitor headset with boom mic. Sound field speakers AP12 Power Amplifier 2x12 Watt AP70 Power Amplifier 2x70 Watt

Interacoustics – the wise choice

With over 40 years of experience, Interacoustics is dedicated to supplying its customers with the best possible solutions for their audiological needs. This is accomplished by maintaining a continuous dialogue with healthcare professionals working in all sectors of audiology. Our equipment meets the highest possible engineering standards and we provide design expertise that can only come from close contact with clinical practice.

Solutions on every scale

Designing equipment for every size of clinic in so many countries puts us in the unique position of being able to offer solutions that fit your requirements exactly. Audiometry, tympanometry, electrophysiology, hearing aid testing, balance investigation are all within our scope and can be integrated to suit your needs.

Designed for diagnostics efficiency

We design equipment to make testing and interpretation easier. This means better interfaces, well designed screen layouts, printed reports and interaction over networks with databases and electronic records systems. In most cases, you can configure the settings and layout yourself.

Support worldwide

The Interacoustics name is not only your guarantee of quality and functionality, but also for support. We operate in over 100 countries worldwide through a well coordinated network of distributors and service centres to ensure that you receive total support and service.



Sales and service in your area:

Interacoustics A/S

Phone: +45 6371 3555 · Fax: +45 6371 3522
E-mail: info@interacoustics.com
DK-5610 Assens, Denmark
Web: www.interacoustics.com

Other audiometers:

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

Audiometry and Middle Ear Analyzer in one:

- AA222 Audio Traveller

Video Otoscope:

- VIOT™



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Read more here:
www.interacoustics.com/com/AD629e



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leading diagnostic solutions