AD629
Diagnostic Audiometer

The true hybrid
– Stand alone & PC-based audiometry in one box

Interacoustics®
leading diagnostic solutions
The AD629 presents a new concept we like to call ‘hybrid’, because it combines the best of past, present and future in a compact and classic design. It combines the best features of our AD229 and brings it to a new level with modern PC integration.

**Integrated functionality**
The AD629 has the familiar feel of a standalone audiometer but offers features usually restricted to PC platforms such as EMR integration, multiple data/patient storage features, reporting tools and integration with other database programs (NOAH, OtoAccess™).

**Familiarity + functional design**
The ergonomic design of the AD629 is exceptional with an articulating, high-resolution 5.7 inch color display that presents crystal clear images for easy to read audiograms. Several display choices are available to customize the readout to your personal preference. The familiar keypad design will enable users to acclimate quickly without losing efficiency or speed.

**Superior versatility**
The AD629 is small for portability, yet presents a high professional image in any environment. The power of the internal processor provides PC-like functionality without the PC! Upload multiple patient data into the AD629 before taking it on the road, then store test results to each specific client and download the information when you get back to the office to the database program of your choice (NOAH, OtoAccess™).
Tradition and innovation

Tradition blended with innovation
The AD629 provides all of the traditional testing capabilities of a diagnostic audiometer but now blends additional measures and features to make your life simpler and more efficient. Built-in wavefiles for a variety of speech evaluations – including QuickSin, extended high frequency evaluation, PTA calculations and more. Hardware for efficient patient communication interaction is provided for sound room applications.

The AD629 – your dependable partner

• **MEASURE** using an intuitive and time tested user interface
• **VIEW** results on the crystal clear color display
• **STORE** data in multiple data sources
• **COUNSEL** patients
• **SHARE** data with others using reporting tools
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.

**The diagnostic test battery**

**Tone audiometry**

- Automatic CPT and PTA calculation
- User defined symbol scheme
- Easy access to main functions

**Tone audiometry test features**

- Air conduction (HL, MCL & UCL)
- Bone conduction
- Pure Tone Stenger
- PTA and/or CPT calculation
- Define special audiometry symbols
- Easily switch to 1,2 or 5dB steps
- Display masking information

**Other available tests**

- Master Hearing Aid
- SISI
- Auto HL (Modified Hughson-Westlake)
- ABLB
- Bekesy
- High Frequency to 20,000 Hz (optional)
Speech audiometry

Speech Audiometry Test Features

- Live Voice, CD/MP3 or Wavefile presentations
- SRT, Word Recognition, MCL, UCL
- Recorded Word Recognition Scoring
- Binaural speech for CAPD applications
- Speech Stenger
- Built-in Wavefiles (optional)
- QuickSin (optional)

Choose between graph or table mode

Built-in media player for playing prerecorded speech material
AD629
Diagnostic Audiometer

The true hybrid - overview

- Large color display
  5.7” 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
Printing and reporting

Printing and reporting with ‘Print Wizard’
- Unlimited customizable reports
- Combine diagnostic data (Audiometry/Impedance and more)
- EMR and 3rd Party integration via PDF, XML or GDT formats
- Merge written information from imbedded report writer

Data storage
The AD629 may run independent of a database, but is designed for two way communication to merge data between NOAH and our own proprietary database called OtoAccess™.

Platforms for the future
Interacoustics ‘Suite Software’ concept provides a dynamic core for all future instrumentation design, where instrument integration and upgrades will continue for years to come.
Design your own reports

Retrieve patient demographics from OtoAccess™ and NOAH

Merge audiometric and impedance test data on a single page

Insert bitmaps such as clinic logo

Individual session dates

Highly configurable symbols for quick reference

Text field for session observations and conclusions

Printout via Diagnostic Suite software and the print wizard
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.
<table>
<thead>
<tr>
<th><strong>Safety standards</strong></th>
<th>IEC60601-1, ES60601-1, CAN/CSA-C22.2 No 60601-1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Classifications</strong></td>
<td>Class I, Applied parts type B. Continuous operation</td>
</tr>
<tr>
<td><strong>Audiometer standards</strong></td>
<td>Audiometer: IEC 60645 -1, ANSI S3.6, type 2. Speech: IEC 60645-2/ANSI S3.6, type B or B-E.</td>
</tr>
<tr>
<td><strong>Calibration</strong></td>
<td>AC: ISO389-1, ISO389-2; BC: ISO389-3, IEC 60645-4. (Optional license)</td>
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<tr>
<td><strong>Extended range function</strong></td>
<td>If not activated, the AC output will be limited to 20 dB below maximum output.</td>
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<tr>
<td><strong>Input</strong></td>
<td>Tone, Warble Tone, NB, CD1, CD2, Mic1, Mic2, wave files.</td>
</tr>
<tr>
<td><strong>Masking stimulus</strong></td>
<td>Automatic selection of narrow band noise (or white noise) for tone presentation and speech noise for speech presentation.</td>
</tr>
<tr>
<td><strong>Outputs</strong></td>
<td>AC Left + Right, BC Left + Right, Insert Phone Left + Right, Insert Masking, FF1 and FF2.</td>
</tr>
<tr>
<td><strong>Transducers</strong></td>
<td>TDH39/DD45 Audiometric headset, B71 Bone conductor.</td>
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<tr>
<td><strong>Tone presentation</strong></td>
<td>Manual or reverse. Single or multiple pulses.</td>
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<tr>
<td><strong>Patient signal</strong></td>
<td>One hand held push button.</td>
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<tr>
<td><strong>Intensity</strong></td>
<td>AC: -10 to 120 dB HL in 1, 2 or 5dB steps. BC: -10 to 80 dB in 1, 2 or 5 dB steps</td>
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<tr>
<td><strong>Frequency range</strong></td>
<td>125Hz to 8kHz. Optional HF up to 20 Hz.</td>
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<tr>
<td><strong>Patient communication</strong></td>
<td>Talk Forward and Talk Back.</td>
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<tr>
<td><strong>Monitor</strong></td>
<td>Output through built-in speaker or through external earphone or speaker.</td>
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<tr>
<td><strong>Internal storage</strong></td>
<td>Internal storage for 500 patients/50,000 test sessions.</td>
</tr>
<tr>
<td><strong>Frequency selection</strong></td>
<td>125Hz, 250Hz, 750Hz, 1500Hz or 8kHz may freely be deselected</td>
</tr>
<tr>
<td><strong>Special tests/test battery</strong></td>
<td>Auto threshold, ABLB, Stenger, Stenger Speech. Extended version (AD629e) only: SISI, Langenbeck (tone in noise), Békésy, 2 channel speech, 2 channel Master Hearing Aid.</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>5.7 inch high resolution color display 640x480 pixels</td>
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<tr>
<td><strong>Connectors (sockets)</strong></td>
<td>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)</td>
</tr>
<tr>
<td><strong>Direct print (USB)</strong></td>
<td>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</td>
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<tr>
<td><strong>External devices</strong></td>
<td>Standard PC keyboard mouse and keyboard (for data entry)</td>
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<td><strong>Compatible software</strong></td>
<td>Diagnostic Suite - NOAH, OtoAccess™ and XML compatible</td>
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<tr>
<td><strong>Dimensions (LxWxH)</strong></td>
<td>14.4x11.6 x2.6 inches</td>
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<tr>
<td><strong>Weight</strong></td>
<td>6.3lbs</td>
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<tr>
<td><strong>Power supply</strong></td>
<td>Built-in power supply, 100-240 V, max 0.5Amp</td>
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<tr>
<td><strong>Medical CE-mark</strong></td>
<td>Yes</td>
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<tr>
<td><strong>Included parts</strong></td>
<td>EARTone 3A Insert Phones, B71 Bone conductor, Monitor Headset, APS3 Patient response button, Goose neck microphone, Power cable, Operation manual CD, Multilingual CE instructions for use</td>
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<tr>
<td><strong>Optional parts</strong></td>
<td>DD45 Audiometric headset, Diagnostic Suite software, OtoAccess™ database, Amplivox audiocups, noise reducing headset, Peltor noise reducing headset, Carrying case (Standard or Trolley Style), 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</td>
</tr>
</tbody>
</table>
**Interacoustics – the wise choice**

With over 40 years of experience, Interacoustics is dedicated to supplying its customers with the best possible solutions for their audiologic 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.

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**Other audiometers:**

- PA5 Pediatric Audiometer
- AS608/e Screening Audiometer
- AD226 Diagnostic Audiometer
- AC33 Clinical Audiometer
- AC40 Clinical Audiometer
- Equinox² Clinical Audiometer

**Audiometry and Middle Ear Analyzer in one:**

- AA222 Audio Traveller

**Video Otoscope:**

- VIOT™

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**Sales and service in your area:**

[Read more here: www.interacoustics-us.com/AD629e](http://www.interacoustics-us.com/AD629e)