

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 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™).



Benefits

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

Highlights

- Large 5,7" 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 (14 x 11 inch.)

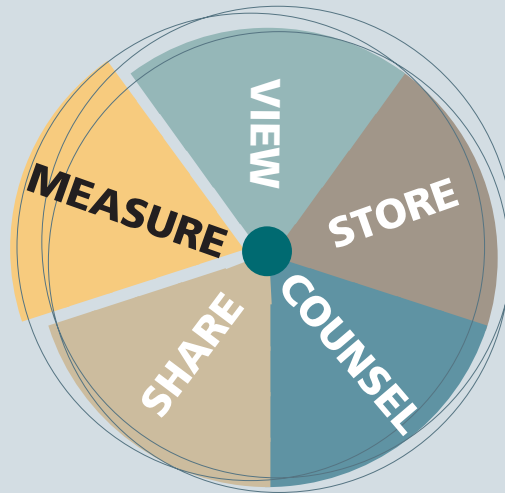
Tradition and innovation

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



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The diagnostic test battery

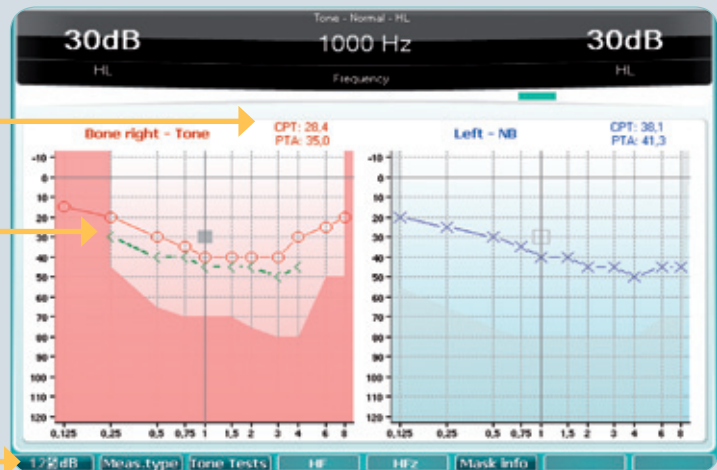
AD629e provides all the necessary air, bone and masking features required for basic or advanced diagnostic and clinical use. The built-in high resolution color display offers dedicated test screens as well and many display and test options.

Tone audiometry

Automatic CPT and PTA calculation

User defined symbol scheme

Easy access to main functions



Dual audiogram mode

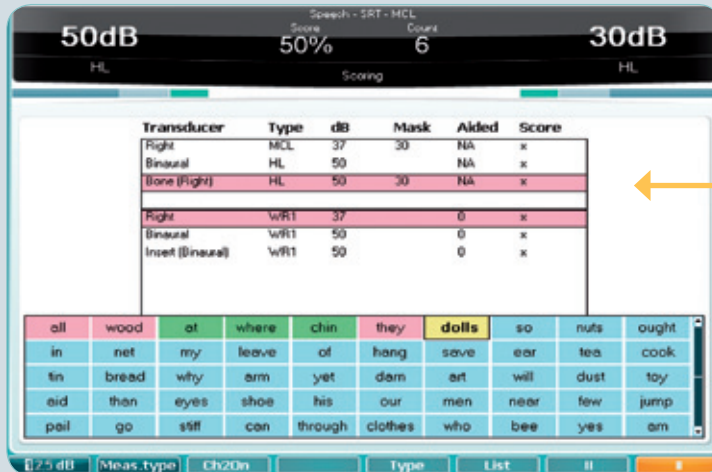
Tone audiometry test features

- 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

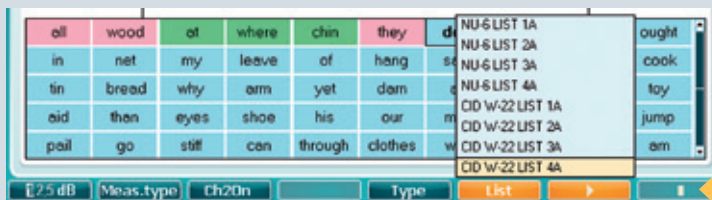
- Master Hearing Aid
- SISI
- Auto HL (Modified Hughson-Westlake)
- ABLB
- Bekesy
- High Frequency to 20,000 Hz (optional)

Speech audiometry



Choose between graph or table mode

Table mode



Built-in media player for playing prerecorded speech material



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)



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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

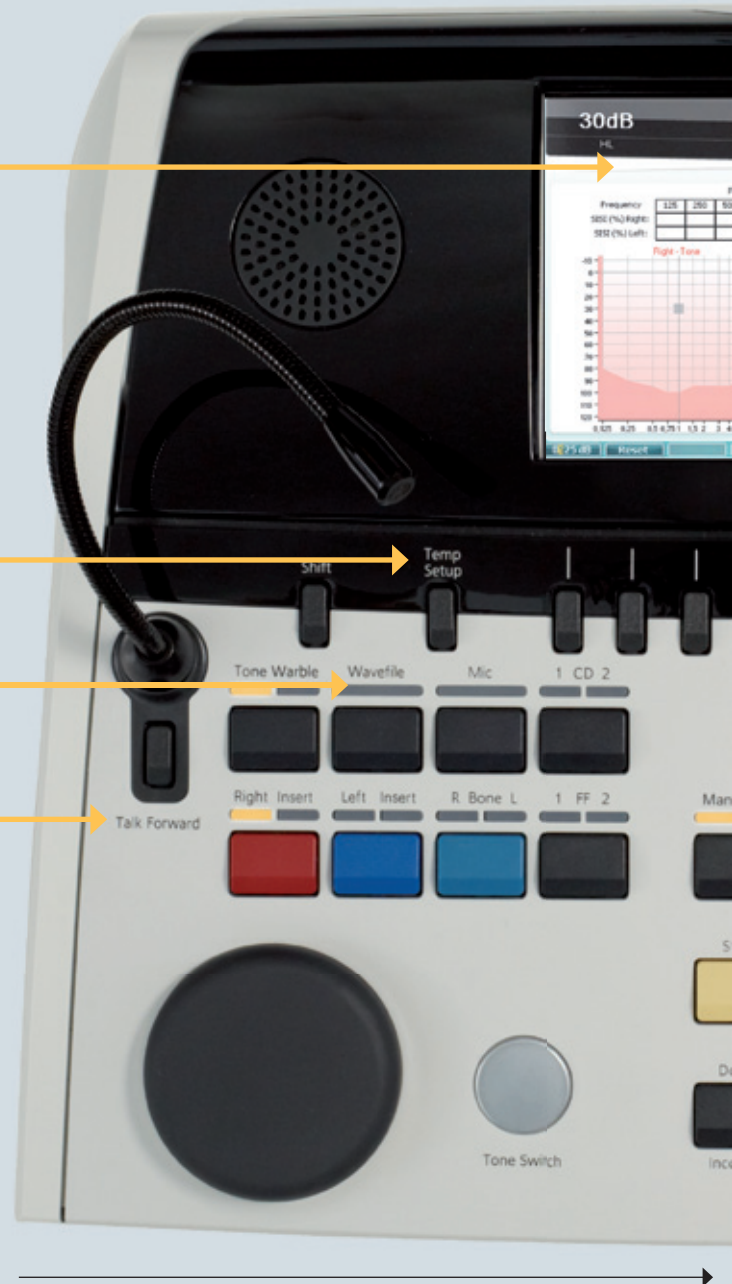
Fully customizable
Via user friendly setups

Integrated recorded speech material

Two way patient communication

High Frequency option (20,000 Hz)

Built-in power supply





14 inch.

11 inch.

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



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Printing and reporting

Printing and reporting with 'Print Wizard'

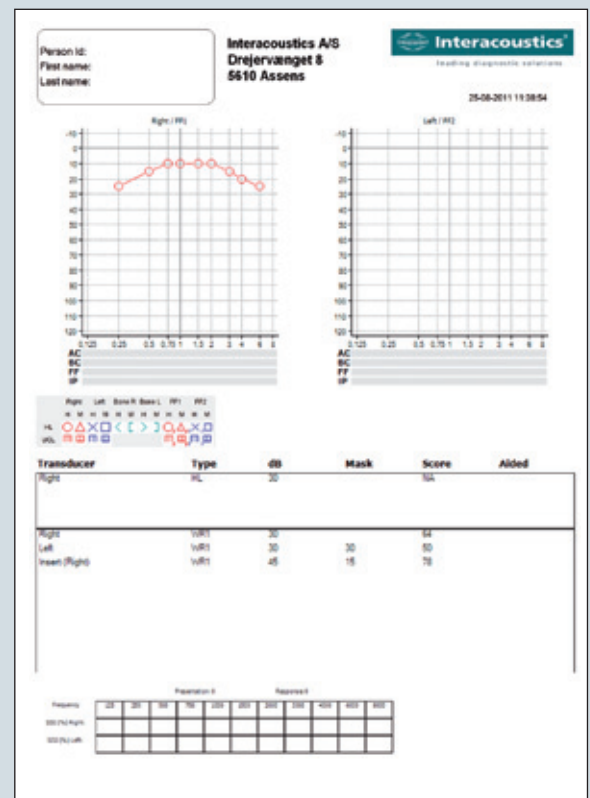
- Unlimited customizable reports
- Combine diagnostic data (Audiometry/Impedance and more)
- EMR and 3rd Party integration via PDF, XML or GDT formats
- Merge written information from imbedded report writer

Data storage

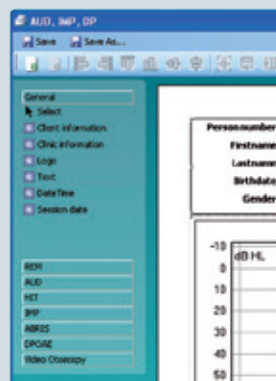
The AD629 may run independent of a database, but is designed for two way communication to merge data between NOAH and our own proprietary database called OtoAccess™.

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.



Direct printout via printer connected to the AD629



Merge and configure input from different sources in the Print Wizard

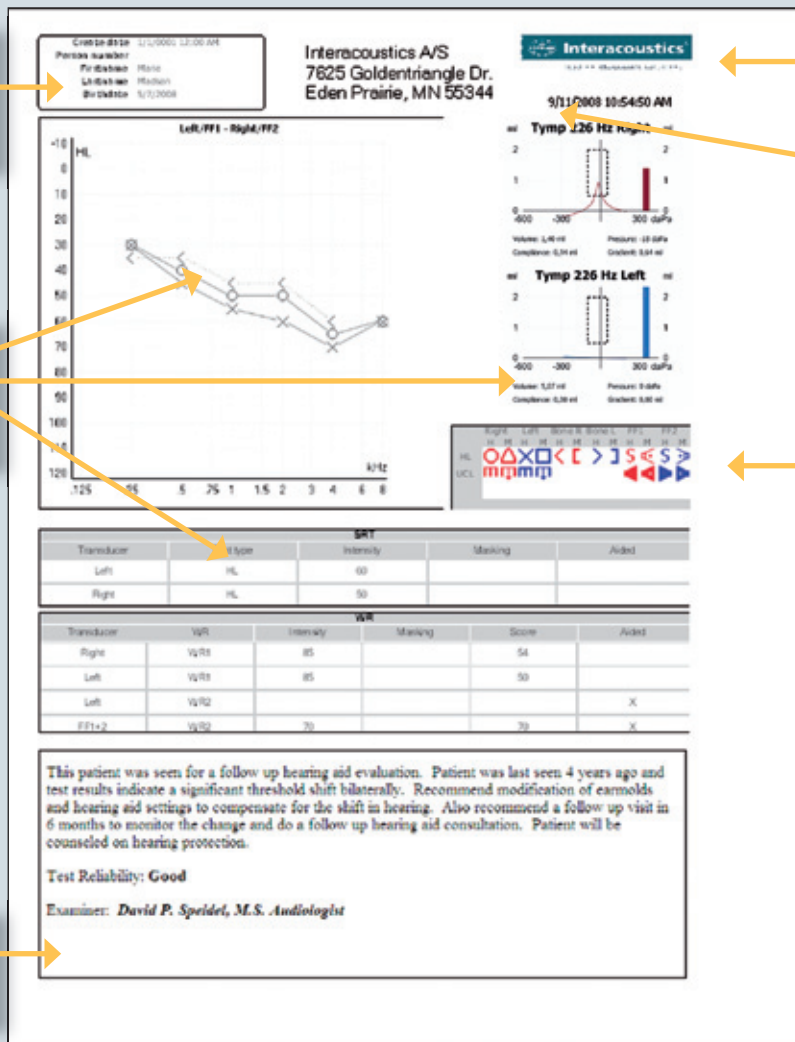


Design your own reports

Retrieve patient demographics from OtoAccess™ and NOAH

Merge audiometric and impedance test data on a single page

Text field for session observations and conclusions

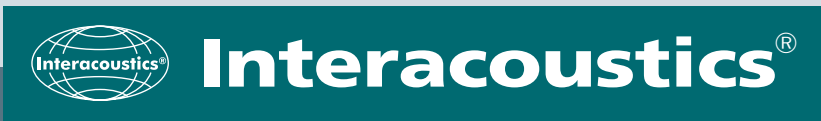


Insert bitmaps such as clinic logo

Individual session dates

Highly configurable symbols for quick reference

Printout via Diagnostic Suite software and the print wizard



Leading diagnostic solutions

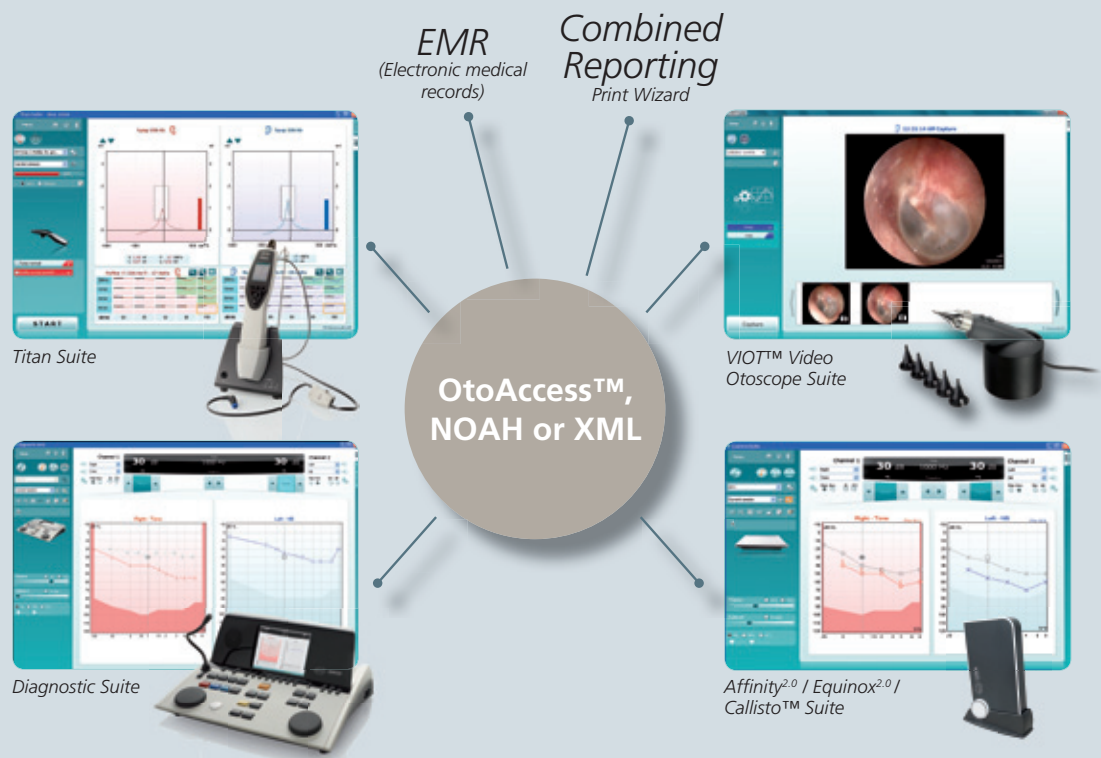
AD629

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 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)	14.4x11.6 x2.6 inches
Weight	6.3lbs
Power supply	Built-in power supply, 100-240 V, max 0.5Amp
Medical CE-mark	Yes
Included parts	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
Optional parts	DD45 Audiometric headset Diagnostic Suite software OtoAccess™ database 21925 Amplivox audiocups, noise reducing headset 50250 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

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.



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™



Sales and service in your area:

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7625 Golden Triangle Drive, Eden Prairie, MN 55344
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Read more here:
www.interacoustics-us.com/AD629e



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