

r27a

Diagnostic Audiometer Efficiency for your daily needs.



Compact. Functional. Easy to use.

With compact dimensions, excellent ergonomics and a luminous 7" LCD display, the R27A is the perfect solution to respond to the needs of ENT and Audiology Specialists, the best solution for a growing practice. Easy-to use, functional design and portable, the device and accessories can be safely transported in a durable luggage-grade padded carrying case, available on request.

Reliable. Efficient. Customizable.

High-quality components ensure device reliability as well as long-term operation. Recognized dependability matches with efficiency. Test-report files, generated in PDF, can be initially stored on a USB-stick, then archived into external units or printed, thanks to the built-in thermal printer. Reports can be easily edited and customized with additional text and logos.



Powerful. Easy. Complete.

The R27A offers a complete range of diagnostic tests including air and bone conduction tests, SAL and speech audiometry. Speech material in English and Spanish is recorded on the Resonance SD-card. Additional languages can be recorded on request. The R27A aims to simplify daily operations and maximize efficiency. Unique special tests as GAP, DLF, Quick-SIN and BKB-SIN are also available.

Comfortable. Elegant. Flexible.

The design of accessories maximizes patient comfort for the best and easiest handling of the device. Optional accessories increase flexibility and performance. Resonance R&D collaborates with local distributors and ENT specialists to identify and prioritize features that are most relevant for each market. The Management Data Suite (MDS) software allows patient data and test results to be transferred to the PC and is Noah® compatible.



Innovative thinking
has arrived.



Exclusive U.S. Distributor:
EAR TECHNOLOGY CORPORATION
P.O. Box 1516
Johnson City, TN 37605 USA
1-800-327-8547 or email: resonance@earthtech.com
resonance-eartech.com

GENERAL SPECIFICATIONS

TEST TYPES

- Pure Tone test, Auto-threshold, ABLB, Speech Test, Stenger, GAP, DLF
- Quick-SIN, BKB-SIN (available on demand)

DIMENSIONS AND WEIGHT

- L x W x H: 14.5" x 11.4" x 7"
- Net Weight: 7.7 lbs.
- Body material: Bayblend® self-extinguishing

USER INTERFACE

- Multilingual

PRINTER

- Built-in fast thermal printer with paper width: 4.4" supplied as standard part

REPORTS

- Printed on thermal paper
- PDF report created directly from the device and stored on USB pen drive with possibility to add patient data and tests comments via the USB Keyboard (optional).
- Data transfer to PC using MDS* software

COMMUNICATION PORT

- Nr.1 USB host type A
- Nr.1 USB slave type B

PC INTERFACE

- MDS* software with reporting and printing features
- Compatible with Windows® 7, 8, 8.1, 10
- Data transfer via USB cable

POWER

POWER SUPPLY

- 110-240V AC 50/60Hz 40VA

CONSUMPTION

- Max current: 0.15A
- Power consumption: 40VA

QUALITY SYSTEM

Manufactured, designed, and developed under an ISO 13485, ISO 9001 certified quality system. Medical CE mark and FDA approval.

COMPLIANCE/REGULATORY STANDARDS

Certifying body: IMQ S.p.A. Istituto Italiano Del Marchio Di Qualita

- MDD 93/42/EEC and update 2007/47/CEE: Class IIa (as referred to in Annex IX, rule 10)
- Safety: IEC 60601-1, 3rd and 2nd edition, Class 1 Type B
- EMC: IEC 60601-1-2
- Audiometer: to IEC 60645-1; IEC 60645-2 and ANSI S3.6 Type 1A

AUDIOMETRY SPECS

FREQUENCY RANGE

- 125 - 8000 Hz (with DD45)
- 250 - 8000 Hz (with B71-W)

ACCURACY

- Frequency < 0.5%
- Distortion < 1%
- Attenuator linearity 1dB per 5dB step, max 3dB whole range
- Range stimuli level -10 up to 120 dB HL

TYPE OF SIGNALS

- Pure tone: sine wave
- Warble: $\pm 5\%$ frequency sine wave modulated, modulation: sine wave 5 Hz
- Narrow band noise: 24dB/oct filtered noise
- Speech noise: 1kHz 12dB/oct filtered noise
- White noise
- External signal
- External mike
- Speech material recorded on SD card
- On/Off rise - fall time: 40msec

OUTPUT TRANSDUCERS

- ACR, ACL: 10 ohm DD45 matched pair earphone
- BC: B71W RadioEar
- Free field output: 600 ohm impedance

STIMULUS PRESENTATION MODALITY

- Presentation: Normal, Reverse, Extended (present tone for 1 second from 20dB below the maximum level)
- Modality: Continuous, Pulsed (rate 0.5; 1 and 2 Hz), Alternated (ABLB - 0.5, 1 and 2 Hz)

STANDARD ACCESSORIES

- DD45, ADC headset for audiometry testing
- IP30 Insert earphones
- B71W bone conductor
- Insert for bone conduction masking
- Patient microphone (talk back)
- Patient response push button
- Built-in fast thermal printer
- 1 roll of thermal paper
- Power supply cable (110 V)
- 1 spare fuse
- Device dust cover
- USB pen drive
- SD-card with multilingual speech material
- MDS* software

OPTIONAL

- External USB keyboard
- Goose-neck microphone
- Durable, luggage-grade padded carrying case
- TDH39 headset
- Pediatric headset (AC or BC)
- Sound booth cables
- Free field loudspeakers

* Resonance Management Data Suite

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