

# r17a<sup>BC</sup>

## Portable Touchscreen Audiometer Everything at your fingertips.



### It's beautifully made to meet your needs.

Made from high-quality materials, the R17A is exquisitely designed. The R17A-BC combines air and bone conduction and speech testing, all in a uniquely portable and wireless device with a 7" touch screen display. The R17A-BC includes the Automatic Pure Tone test.

### All the tests you need at your fingertips.

Although the R17A-BC has small dimensions, it offers the same range of testing opportunities as a diagnostic device. Frequency levels range from 125 Hz to 8000 Hz, and signal levels run from -10 dB HL to 105 dB HL. The R17A-BC can be used with a variety of transducers, including DD45 and EAR 3A inserts. All accessories are designed to maximize patient comfort.



### It's friendly in every sense of the word.

All the fundamental elements of the R17A-BC—the display, the chip, the wireless connection, and the user interface design—work together to create the best possible experience. Nothing comes between you and the large touch screen with a brilliant display that makes the R17A-BC capable of so much more in every test you perform.

### Data? No problem. A new way to get connected.

Bluetooth® capabilities keep you connected faster than ever. PC-integration using Bluetooth technology and Management Data Suite (MDS) software for Windows® provides an easy transfer of audiometric data to the PC. MDS software features include database storage on local or Noah®, with Print Wizard and advanced reporting.



Innovative thinking  
has arrived.



Exclusive U.S. Distributor:  
**EAR TECHNOLOGY CORPORATION**  
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Johnson City, TN 37605 USA  
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## R17A-BC Portable Touchscreen Audiometer

### GENERAL SPECIFICATIONS

#### TEST TYPES

- Pure Tone test, Speech Test (performed with on-board recorded speech material), Auto-threshold, Resonance® Play Audiometry available as optional

#### DIMENSIONS AND WEIGHT

- L x W x H: 7" x 5.3" x 1.6"
- Net Weight: 1 lb.
- Body materials: self-extinguishing ABS

#### PC INTERFACE

- MDS\* software with reporting and printing features
- Compatible with Windows® 7, 8, 8.1, 10
- Data transfer via Bluetooth® 2.1 and 4.0

#### DISPLAY

- LCD touch screen
- 800 x 400 @ 133 ppi, 262k colors

#### MICROPROCESSOR

- Operating system: Microsoft® Windows Embedded Compact
- High Performance: CPU ARM® dual core @ 1Ghz
- Energy efficient, low power: 0.8W typ. Fast boot: < 6 sec.

### AUDIOMETRY SPECS

#### FREQUENCY RANGE

- AC: 125 - 8000 Hz
- BC: 250 - 6000 Hz

#### ACCURACY

- Frequency < 0.5%
- Distortion < 1%
- Crosstalk > 70 dB
- Range stimuli level AC: -10 up to 105 dB HL
- Range stimuli level BC: -10 up to 70 dB HL

#### TYPE OF SIGNALS

- Pure tone: sine wave 125 to 8Khz signal; steady and pulsed
- Warble: +/- 5% frequency sine wave modulated
- Narrow band noise: 24dB/oct filtered noise
- Speech noise: 1khz 12dB/oct filtered noise
- White noise
- Speech material recorded on SD card

#### OUTPUT TRANSDUCERS

- ACR, ACL: DD45 matched pair earphone
- BC: B71W RadioEar



Resonance recommends:



### POWER

#### POWER SUPPLY

- Built-in 3.6V/3.1 Ah rechargeable lithium-ion battery, recharging cradle included
- External medical power supply/charger: Input 100-240Vac / 0.3A – 50/60Hz; Output +5Vdc / 2A

#### CONSUMPTION

- Up to 3 hours of testing on speech test modality

### QUALITY SYSTEM

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

### 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 edition, Class II Type BF
  - Audiometer: to IEC 60645-1; Type 3 (R17A-BC)
  - RoHS II compliant

### STANDARD ACCESSORIES

- DD45 headset
- B71W bone conductor
- Cradle with battery charger included
- Patient response push button
- MDS\* software
- Durable luggage-grade padded carrying case
- Touch screen stylus
- USB pen drive
- Bluetooth 4.0 adapter

### OPTIONAL

- IP30 Insert earphones
- USB external keyboard
- Re-Play Play Audiometry for Children
- Wallmount kit

\* Resonance Management Data Suite

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