

# r07a

Portable Screening Audiometer  
All the tests you need. Everywhere you are.



## Portable. Fast. Reliable.

Made from high-quality materials, the R07A is exquisitely designed. Compact dimensions, lightweight and excellent ergonomics: the R07A Portable Audiometer is the ideal solution for quick and reliable screening assessment for schools, industry and medical practices. The R07A includes the Automatic Pure Tone test.

## All the tests you need. Everywhere you are.

The R07A offers a full range of testing capabilities: Pure Tone, Hughson Westlake and Quick Auto-threshold. Frequency range is 125 Hz to 8000 Hz, and signal levels run from -10 dB HL to 100 dB HL. Test results are easily recalled from the internal memory; up to 50 patient records can be stored. The R07A operates with 4 AA standard batteries or with external medical power supply.



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

Minimal training is required thanks to its intuitive and user-friendly interface. All the accessories are designed to maximize patient comfort. The R07A Portable Audiometer can be safely transported in its durable luggage-grade fabric carrying case.

## Data? No problem.

The R07A USB capabilities keep you connected faster than ever. PC-integration through a USB cable with 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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## GENERAL SPECIFICATIONS

### TEST TYPES

- Pure Tone Audiometry, Automatic Audiometry Patient Controlled, according to ISO 8253-1 and standard Hughson Westlake procedure (selectable on control panel)
- Audiometer Class 4 according to EN ISO 60645-1

### DIMENSIONS AND WEIGHT

- L x W x H: 4.5" x 7.5" x 1.2"
- Net Weight: 1.32 lbs. without battery
- Body material: Plastic cabinet

### TALK FORWARD

- Built-in talk forward microphone 50-110 dB SPL (adjustable on control panel)

### DATA STORAGE

- Dedicated "Store" button to save measurements into the internal memory (up to 50 patients).
- The patient will be identified by an ID number.
- Stored data can be viewed on the built-in display or transferred to the PC or Noah® using MDS\* software.

### PC INTERFACE

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

## POWER

### BATTERIES

- 4 size AA
- Automatic battery power off (battery save mode activated after 1, 2, 5 minutes of non-activity, or never).
- Battery status indicator on the display header.
- Protection against test execution with a critical battery level indicator.

### EXTERNAL POWER SUPPLY (OPTIONAL)

- Dedicated medical external power supply 100-240VAC 50/60Hz, 0.3A (input), 5VDC, 2A (output).

## ENVIRONMENTAL

### OPERATING ENVIRONMENT

- Storage: -4°F up to 122°F
- Operating: 59°F up to 95°F
- Humidity: up to 90% (non-condensing)
- Ambient pressure: from 700hPa up to 1060hPa

## 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

- Meets or exceeds EN60645-1 type 4 and ANSI 3.6
- Safety standard: EN 60601-1, Class II, type BF
- EMC: EN 60601-1-2



## AUDIOMETRY SPECS

### RANGE

- Frequency range (AC): 125 - 8000 Hz

### INPUTS

- Pure tone: sine wave 125 to 8 kHz signal; steady and pulsed

### OUTPUTS

- Left and Right
- Air Conduction (AC) only

### tone presentation

- Manual or Reverse (selected on Setup Menu)
- Pulsed at 0.5, 1 or 2Hz – (selected on Setup Menu) or continuous

### FREQUENCIES AND INTENSITIES (WITH DD45)

Frequency (Hz)	Intensity (dB HL)
125	65
250	85
500	100
750	100
1000	100
1500	100
2000	100
3000	100
4000	100
6000	100
8000	85

- All frequencies can be enabled or disabled by the Setup Menu except 1000 Hz.

### LEVEL STEPS

- 1, 2 or 5 dB (selected on Setup Menu)

### DISTORTION

- < 0.3% typical
- < 1% at full intensity

### RISE/FALL TIMES

- 40 msec.

## STANDARD ACCESSORIES

- HB-7 audiometric headband with DD45 transducers
- Patient response push button
- 100 audiogram charts
- Blue and red pen
- Durable luggage-grade fabric carrying case
- MDS\* software
- Medical external power supply

## OPTIONAL

- Insert phones
- HB-7 audiometric headband with TDH39 transducers
- ADC audiocups noise excluders

\* Resonance Management Data Suite

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