



Resonance r07a

Manual and Auto Screening Audiometer



Cost effective, robust and simple to use, the Resonance R07a is a practical solution for hearing screening in schools, primary care and community based services. Designed to support efficient testing without compromising accuracy, the R07a is ideal for both fixed and mobile environments.

Ergonomic and intuitive design

Designed with the operator firmly in mind, the Resonance R07a features a clear display and logical control layout that allows users to focus fully on the test subject. The straightforward interface reduces set up time and supports consistent testing, even for users who do not perform audiometry daily.

Efficient and flexible testing

The R07a provides all standard test frequencies and attenuation ranges required for pure tone audiometry. It supports a range of test tones including pure, pulsed, warble and continuous tones, enabling effective assessment of individuals with tinnitus, age related hearing loss and noise induced hearing loss.

Automatic threshold storage helps reduce overall test time, improves test flow and supports greater subject engagement, resulting in more reliable outcomes.

Ready to go: Lightweight and portable

With a compact and lightweight design, the Resonance R07a is well suited to those who work across multiple sites. Its robust build makes it ideal for mobile programmes and on site testing.

A carry case and essential accessories are supplied, with battery operation providing added flexibility where mains power is not available.

Results management

Test results can be manually recorded or transferred to PC based software for report generation and record keeping. Results can be saved as PDF or printed outputs, supporting integration into existing electronic medical record systems commonly used within Occupational Health and primary care settings.

- Manual and Automatic testing
- Compact and lightweight
- Intuitive and easy to read backlit display
- Battery and Mains power
- Intensity -10 – 100dB HL
- Frequencies 125Hz – 8kHz
- PC Software



R07a Technical Specifications

GENERAL SPECIFICATIONS DIMENSIONS AND WEIGHT

L x W x H: 240 x 190 x 30 mm
Net Weight: 600 gr. without battery

Body material: Plastic

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 IEC 60645-1

TALK FORWARD

Built-in talk forward microphone

STORE FUNCTION

Internal memory (up to 50 patients).
Screen or PC view MDS software.

PC INTERFACE

Resonance MDS Management Data Suite

OPERATING SPECIFICATIONS RANGE

Frequency range (AC):
125 - 8000 Hz (DD45)

INPUTS

Tone
Warble Tone +/- 5%, 5 Hz

OUTPUTS

Left and Right

tone presentation

Manual or Reverse
Pulsed at 0.5, 1 or 2 Hz
Continuous

FREQUENCIES AND INTENSITIES (WITH DD45)

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

Apart from 1kHz, all the frequencies can be enabled or disabled

LEVEL STEPS

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

DISTORTION

0.3% typical
below 1% at full intensity

RISE/FALL TIMES

40 msec.

POWER

BATTERIES

4 AA size
Automatic battery off switching
Battery status indicator on the display header.
Protection against test execution with a critical battery level.

EXTERNAL POWER SUPPLY

Medical approved power supply
100 - 240
VAC 50/60 Hz, 0.3 A (input) +5
VDC, 2 A (output)

QUALITY SYSTEM

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

REGULATORY STANDARDS

Meets or exceeds IEC 60645-1 type 4 and ANSI 3.6 Safety standard: IEC 60601-1 3rd edition, Class II, type BF EMC: IEC 60601-1-2

STANDARD ACCESSORIES

- HB-7 Audiometric headband with DD45 transducers
- Patient pushbutton
- 100 Audiogram charts
- Blue and Red Pen
- Carrying bag
- Multilingual CE Operation Manual
- MDS Software

OPTIONAL ACCESSORIES

- Insert phones IP30
- HB-7 Audiometric headband with TDH39 transducers
- Medical CE approved external power supply
- ADC Audiocups Noise Excluders

OPERATING ENVIRONMENT

- Storage: -20° C up to +50° C
- Operating: +15° C up to +35° C
- Humidity: up to 90%, (non-condensing)
- Ambient pressure: from 700 hPa up to 1060 hPa



Hello@OH-Partners.co.uk

www.OH-Partners.co.uk

0121 285 20 40