



# r07a

SCREENING PORTABLE  
AUDIOMETER

## PRODUCT 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 cabinet

#### 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 50-110 dB<sub>SPL</sub> (adjustable on control panel)

#### STORE FUNCTION

- Dedicated Store button that enables to store 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 using MDS software.

#### PC INTERFACE

- Resonance MDS Management Data Suite, with reporting and printing features.

### AUDIOMETRY OPERATING SPECIFICATIONS

#### RANGE

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

#### INPUTS

- Tone
- Warble Tone +/- 5%, 5 Hz  
(true sine wave frequency modulation)

#### OUTPUTS

- Left and Right

#### TONE PRESENTATION

- Manual or Reverse (selected on Setup Menu)
- Pulsed at 0.5, 1 or 2 Hz - (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 the 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
- Below 1% at full intensity

#### RISE/FALL TIMES

40 msec.

### POWER

#### BATTERIES

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

#### EXTERNAL POWER SUPPLY (OPTIONAL)

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

### ENVIRONMENTAL

#### 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

### QUALITY SYSTEM

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

### COMPLIANCE/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

### OPTIONALS

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