



r07a

SCREENING PORTABLE
AUDIOMETER

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

DIMENSIONS AND WEIGHT

- L x W x H: 240x190x30 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 EN ISO 60645-1

TALK FORWARD

Built-in talk forward microphone 50-110 dB_{SPL} (adjustable on control panel)

STORE FUNCTION

- Dedicated Store button that enable 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

- MDS (Management Data Transfer) by RESONANCE 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%, 5Hz (true sine wave frequency modulation)

OUTPUTS

- Left and Right
- AC Conduction only

TONE PRESENTATION

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

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 50/60Hz, 0.3A (input) +5VDC, 2A (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 700hPa up to 1060hPa

QUALITY SYSTEM

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

COMPLIANCE/REGULATORY STANDARDS

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

STANDARD ACCESSORIES

- R07A Audiometer
- 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
- HB-7 Audiometric headband with TDH39 transducers
- Medical CE approved external power supply
- ADC Audiocups Noise Excluders