**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 SPL (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 Continuos

**FREQUENCIES AND INTENSITIES (WITH DD45)**

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>Intensity (dB HL)</th>
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<tbody>
<tr>
<td>125</td>
<td>65</td>
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<tr>
<td>250</td>
<td>85</td>
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<td>500</td>
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<td>6000</td>
<td>100</td>
</tr>
<tr>
<td>8000</td>
<td>85</td>
</tr>
</tbody>
</table>

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

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