### Product Specifications

**GENERAL SPECIFICATIONS**

**Dimensions and Weight**
- L x W x H: 370 x 290 x 180 mm
- Net weight: 3.5 kg

**Test Types**
- Tympanometry, Acoustic Reflex, Reflex Decay, Quick Check, Quick Screening, MultiFrequency Tympanometry

**Display**
- 7” TFT Color display

**User Interface**
- Multilingual

**Printer**
- Built-in fast thermal printer with paper width: 112 mm supplied as standard part

**Reports**
- Printed on thermal printer
- pdf report created directly from the device and stored on USB Pen drive with possibility to add patient data
- .pdf report created from the device and stored on USB Pen drive with possibility to add patient data
- Printed on thermal printer

**“Children” Feature**
- To help keep the child distracted while running screening “Quick Check” or “Tympanometry Hi”, a series of animated images appears on the color display

**Data Transfer to PC**
- Via cable through USB port

**Communication Port**
- Nr.1 USB host type A
- Nr.1 USB slave type B

**Windows® Compatible Software**
- MDS software license
- Resonance MDS Management Data Suite
- Resonance® MDS software with NOAH® module included (demo version)
- Device dust cover
- Thermal paper roll
- Calibration cavity with probe holder
- Kit of assorted ear tips; size from 6 mm up to 15 mm

**Power**
- Controlled: Automatic
- Range: from +200 up to -400 daPa adjustable in 50 daPa steps
- Pressure accuracy: ± 10 daPa or ± 10%
- Sweep rate: 50, 100, 200, 300 daPa/sec and automatic
- Indicator: Measured value is displayed
- Safety limitations: -800 up to +600 daPa

**Acoustic Reflex Tests**
- Stimulus duration: 0.5, 1 or 2 sec.
- User selectable protocols for all test methods
- Ipsilateral or Contralateral stimulation for all reflex test
- Automated peak search functions available for all test methods
- Manual Reflex: Pump manual control of all stimuli
- Stimulus duration: 10 or 20 sec.

**Frequencies and Intensity Ranges**
- Ipsilateral:
  - Pure tone level range (dB HL) from 50 to 110
  - Noise level range (dB SPL) from 50 to 100
  - Frequency: 500, 1000, 2000, 3000, 4000 Hz
  - Noise: BBN, HP or LP
  - Frequency accuracy: ±1%
  - Harmonic distortion: THD: less than 3%
- Contralateral:
  - Pure tone level range (dB HL) from 50 to 120
  - Noise level range (dB SPL) from 50 to 115
  - Frequency: 250, 500, 1000, 2000, 3000, 4000, 6000, 8000 Hz
  - Noise: BBN, HP or LP
  - Frequency accuracy: ±1%
  - Calibration accuracy: ±3 dB
- Level steps: 1, 2, 5 or 10 dB
- On/Off ratio: 70 dB minimum

**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**
- Designed, tested and manufactured to meet the European and International Standards:
  - MDD 93/42/EEC and its revised versions: Class IIa (as referred to in Annex IX, rule 10 of said MDD 93/42 EEC)
  - Safety: IEC 60601-1, 3rd edition, Class 1 Type B
  - EMC: IEC 60601-1-2
  - Impedance: IEC 60645-5/ANSI S.3.39 Type 2

**Standard Accessories**
- Probe HF
- Headband and probe handle
- Probe cleaning tool kit
- DD45 for Contra
- Kit of assorted ear tips; size from 6 mm up to 15 mm
- Calibration cavity with probe holder
- Built-in fast thermal printer
- Thermal paper roll
- Device dust cover
- Multilingual Quick user’s handbook
- Pen Drive

**Options**
- Kit of assorted silicone ear tips “MS” shape
- Size from 8 mm up to 16 mm
- External USB Keyboard
- Carrying bag
- Insert for Contra
- TDH39 for Contra
- MDS software license

Resonance makes no warranty, nor assumes any legal liability or responsibility for the accuracy, typing errors or mistakes, correctness or completeness of any information in this datasheet. The information in this datasheet was correct to the best of our knowledge at the time of printing.