MIDDLE EAR ANALYZER

DIAGNOSTIC PORTABLE

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

DIMENSIONS AND WEIGHT
- L x W x H: 180 x 135 x 41 mm
- Net weight: 570 g.
- Body material: self-extinguishing ABS UL 94 V0

TEST TYPES R16m-D
Tymanometry, Reflexes, Decay with non-acoustic monitor, nr.1 Quick Test with editable protocols, ETF for intact membrane and patulous ET, High Frequency Tymanometry

DISPLAY
- 7” TFT Resistive touch screen display
- 800 by 480 resolution at 133 pixels per inch (ppi) 262K colors

USER INTERFACE
- Intuitive icon system
- Internal patient database

REPORTS
- Data transfer to PC with Resonance Management Data Suite installed
- Dedicated report template

DATA TRANSFER TO PC
- Bluetooth 2.1
- USB PORT
  - Nr.1 mini USB slave
  - Nr.1 USB host type A

WINDOWS® COMPATIBLE SOFTWARE
- Microsoft® Windows®
- Number 1 mini USB slave

MAIN SYSTEM COMPONENTS
- Operative system: Microsoft® Windows®
- Embedded Compact
- CPU: TEGRA® 2 dual core @ 1Ghz

POWER

POWER SUPPLY
- Built-in 3.6 V/3.1 Ah rechargeable lithium-ion battery
- External Medical power supply/charger:
  - Input 100 - 240 Vac / 0.3 A - 50/60 Hz
  - Output +5 Vdc / 2 A

CONSUMPTION (WITH RECHARGEABLE BATTERY)
- Up to 2 hours of continuous testing.
- Charge time with external medical power supply: up to 80% in 2 hours

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

ACOUSTIC REFLEX TESTS
- Stimulus duration: 10 or 20 sec.
- Reflex Decay: Manual
- Reflex test method: Threshold and Fixed level
- Ipsilateral: 
  - Pure tone level range (dB HL) from 50 to 100
  - Frequency: 500, 1000, 2000, 4000 Hz
  - Accuracy: ±1%
  - Harmonic distortion (THD): less than 3%
- Contralateral: 
  - Pure tone level range (dB HL) from 50 to 110
  - Frequency: 500, 1000, 2000, 4000 Hz
  - Accuracy: ±1%
  - Calibration accuracy ±3 dB
  - Level steps: 5 or 10 dB
  - On/Off ratio: 70 dB minimum

QUALITY SYSTEM

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 II Type BF
  - EMI: IEC 60601-1-2
  - Impedance: IEC 60645-5 and ANSI S 3.39 Type 2

STANDARD ACCESSORIES
- Probe HF
- Probe cleaning tool kit
- IP30 insert phones for Contra
- Kit of assorted ear tips; size from 6 mm up to 15 mm
- Calibration cavity
- Resonance® MDS Software
- Medical Power supply (100 Vac – 240 Vac)
- Carrying bag
- Charging Cradle
- Pen Drive (with Multilingual Quick user’s handbook)
- Touch screen pen

OPTIONALS
- Headband with DD45 for Contra
- External USB Keyboard
- USB Videoscope
- Wi-Fi thermal printer

The information, pictures and specifications found in this datasheet are intended as a general guideline for customers seeking information about supplies for Resonance equipment. 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.