

r25c_{PT}

FULL COMPREHENSIVE DIAGNOSTIC COMBINED
AUDIOMETER & MULTIFREQUENCY MIDDLE EAR ANALYZER



PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

DIMENSIONS AND WEIGHT

- L x W x H: 14.57" x 11.42" x 7.09"
- Net weight: 7.72 lb

TEST TYPES

- Tympanometry, Acoustic Reflex, Reflex Decay, Quick Check, Quick Screening, Multifrequency Tympanometry, Pure Tone test, Autothreshold, ABLB, Speech Test, Stenger, GAP, DLF

DISPLAY

- 7" TFT Color display

USER INTERFACE

- Multilingual

PRINTER

- Built-in fast thermal printer with paper width: 4.41" 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 and tests comments via the USB Keyboard (optional)
- Data transfer to PC using Resonance Management Data Suite

"CHILDREN" FEATURE

- To help keep the child distracted while running screening "Quick Check" or "Tympanometry HF", a series of animated images appears on the color display

PC INTERFACE

- Via cable through USB port

COMMUNICATION PORT

- Nr. 1 USB host type A
- Nr. USB slave type B

WINDOWS® COMPATIBLE SOFTWARE

- Resonance MDS Management Data Suite

POWER

POWER SUPPLY

- 7.5

CONSUMPTION

- Max current 0.15 A
- Power consumption 40 VA

ENVIRONMENTAL

OPERATING ENVIRONMENT

- Storage: -4°F up to +122°F
- Operating: +59°F up to 95°F
- Humidity: up to 90% (non-condensing)
- Ambient pressure: from 700hPa up to 1060hPa

AUDIOMETRY OPERATING SPECIFICATIONS

RANGE

- Frequency range: 125 - 8000 Hz (with DD45)
- 250 - 8000 Hz (with B71W)
- Range stimuli level -10 up to 120 dB HL

ACCURACY

- Frequency < 0.5%
- Distortion < 1%
- Crosstalk > 70dB
- Attenuator linearity 1dB per 5dB step, max 3dB whole range

TYPE OF SIGNALS

- Puretone: sine wave from 125 to 8Khz signal
- Warble: +/- 5% frequency sine wave modulated, modulation: sine wave 5Hz
- Narrow band noise: 24dB/oct filtered noise
- Speech noise: 1khz 12dB/oct filtered noise
- White noise
- External signal
- External mike
- Speech material recorded on SD card
- On/Off rise - fall time: 40msec

OUTPUT TRANSDUCERS

- ACR, ACL: 10ohm DD45 matched pair earphone, alternatively IP30 Insert earphones (optional)
- BC: B71W Radioear; B81 (optional)
- INSERT: Insert transducer (optional)
- Free field output: 600 ohm impedance

STIMULUS PRESENTATION MODALITY

- Presentation: Normal
- Modality: Steady, Pulsed (rate 2Hz)
- dB step variation: 1dB, 2dB, 5dB

QUALITY SYSTEM

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

COMPLIANCE/REGULATORY STANDARDS

- Certifying body: IMQ S.P.A. Instituto Italiano Del Marchio Del Qualita
- 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 I Type B
 - EMC: IEC 60601-1-2

- Impedance: IEC 60645-5/ANSI S.3.39 Type 2
- Audiometer: to IEC 60645-1; IEC 60645-2 and ANSI S3.6, Type 2A

STANDARD ACCESSORIES

- Probe HF
- Headband and probe handle
- Probe cleaning tool kit
- DD45 for Contra
- Kit of assorted ear tips (5 sizes x 25 pcs)
- Calibration cavity with probe holder
- Built-in fast thermal printer
- Thermal paper roll
- Device dust cover
- Multilingual Quick user's handbook
- USB drive
- Resonance® MDS software with NOAH® module that is capable of being read in CounselEAR, Sycle, AUDdB and Blueprint for easy integration
- Power supply cable (110 - 220 V)
- Spare supply
- DD45 headset for audiometry testing
- B71W bone conductor
- Patient microphone (talk back)
- Patient response pushbutton
- SD-card with Multilanguage speech material

OPTIONALS

- Kit of assorted silicone ear tips "MS" shape size from 8 mm up to 16 mm
- External USB Keyboard
- Durable luggage-grade padded carrying case
- Insert for Contra and bone conductor masking
- Pediatric Headset (AC or BC)
- ADC Audiocups Noise reducing headset enclosures
- Goose-neck microphone
- IP30 insert earphones
- B81 High Output Bone Conductor
- Silent cabin cables
- Free field loudspeaker
- Operator headset with microphone and speaker (talk over and monitor)
- Additional patient response pushbutton
- Quick-SIN test



Exclusive U.S. Distributor:

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