

# r35c<sub>PT</sub>

FULL COMPREHENSIVE CLINICAL 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: Automatic Tympanometry, Acoustic Reflex, Reflex Decay, nr. 3 Quick tests, Acoustic Reflex Latency Test (ARLT), ETF (Intact, Perforated and Patulous), Special tests (Growth-DLI and Non-acoustic), Multifrequency Tympanometry
- Audiometry: Pure Tone test, Autothreshold, ABLB, Speech Test, Stenger, DLI, SISI, Bekesy, Tone Decay, MLB, Multifrequency, 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

- 110 - 240 V AC 50/60 Hz 40 VA
- Fuses: 2 x T 1 A L 250 V

#### 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 1 dB per 5 dB step, max 3 dB 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
- Master Hearing Aid: 1 KHz 6, 12, 18, 24 dB High pass filters
- On/Off rise – fall time: 40msec

### OUTPUT TRANSDUCERS

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

### STIMULUS PRESENTATION MODALITY

- Presentation: Normal, Reverse, Extended (present tone for 1 second from 20 dB below the maximum level)
- Modality: Continuous, Pulsed (rate 0.5, 1 and 2 Hz), Alternated (ABLB and MLB 0.5, 1 and 2 Hz)
- DLI increment levels: 0.1 dB in steps of 0.1 dB up to 1.0 dB; 1.5, 2, 3, 4, 5 dB
- DLI increment recurrence rates: 0.5 Hz, 1 Hz, 2 Hz
- SISI increment recurrence rates: 0.2 Hz, 0.5 Hz, random. Time on 300 ms
- SISI increment level: 0.25, 0.5, 0.75, 1, 1.5, 2, 3, 4, 5 dB
- Bekesy: mode sweep and fixed; Continuous, Pulsed and LOT; exam duration 30 sec and 60 sec.

### 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. Istituto 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 1 Type B
- EMC: IEC 60601-1-2
- Impedance: IEC 60645-5/ANSI S.3.39 Type 1
- Audiometer: to IEC 60645-1; IEC 60645-2 and ANSI S3.6, Type 1A

Exclusive U.S. Distributor:

**EAR TECHNOLOGY CORPORATION**

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## PRODUCT SPECIFICATIONS

### STANDARD ACCESSORIES

- Probe HF
- Headband and probe handle
- Probe cleaning tool kit
- DD45 for Contra
- Kit of assorted silicone ear tips "MS" shape size from 8 mm up to 16 mm
- 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 fuse
- DD45 headset for audiometry testing
- B71W bone conductor
- Patient microphone (talk back)
- Patient response pushbutton
- SD-card with Multilanguage speech material
- Insert-Transducer (for bone conductor masking and contralateral reflex)
- Operator headset with microphone and speaker (talk over and monitor)

### OPTIONALS

- 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
- Additional patient response pushbutton
- Quick-SIN test



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