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DELIVERING TO THE WORLD

Clinical Audiometer With Tympanometer R 35 C (MODEL NO : DIAU 170)



Clinical Audiometer With Tympanometer R 35 C Manufactured by Desco Medical India



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Specifications :-

Clinical Audiometer With Tympanometer is used for managing and archiving .pdf test-report files. Pdf test-report files can be initially stored in a USB-stick and then either archived into external units or printed thanks to the built-in thermal printer. Reports can be easily edited and customized with additional texts and logos. MDS Suite software allows patient data and tests results transfer to PC. There is no other device offering a wider range of testing capabilities and providing hearing professionals with better features, versatility, flexibility and functionality. This device offers a complete range of clinical Audiometry and Tympanometry tests. R35C aims to simplify daily operations and maximize efficiency.. Design of accessories maximizes patient comfort for the best and easiest handling of the device. Optional accessories increase flexibility and performance. High-quality components ensure device reliability as well as long-term operation. R35C Resonance Clinical Combined provides a flexible clinical device for Tympanometry, acoustic reflex measurement and Audiometry. Compact dimensions, excellent ergonomics and a luminous 7" TFT display: R35C has been engineered to respond to the needs of ENT and Audiology Specialists, operating both in clinic and at patient domicile. **USER INTERFACE** • Multilingual **PRINTER** • Built-in fast thermal printer with paper width: 112 mm supplied as standard part. **TEST TYPES** • Tympanometry: Automatic Tympanometry, Acoustic, Reflex, Reflex Decay, Quick test: check, screening and Decay, Acoustic Reflex Latency Test (ARLT), Multifrequency Tympanometry*, ETF (Intact, Perforated and Patulous), Special tests (Growht-DLI and Non acoustic), • Audiometry: Pure Tone test, Autothreshold, ABLB, Speech Test, Stenger, DLI, SISI, Bekesy, Tone Decay, MLB, Multifrequency, GAP, DLF. **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.

COMMUNICATION PORT • Nr.1 USB host type A • Nr.1 USB slave type B. **Tympanometry Specifications PROBE TONE**

- 226 Hz for Admittance (Y) curve tympanometry, • 678, 800 and 1000 Hz for multifrequency tympanometry with added "B" and "G" curve *.

INTENSITY • 226 Hz: 85dB SPL \pm 2dB, • 678, 800 and 1000 Hz: 75dB SPL \pm 2dB*. **ADMITTANCE MEASUREMENTS**

- Compliance range at 226Hz: 0,05 up to 7ml, • Sensitivity scale: Autoscale to appropriate range; available scale at 226Hz: 1.5, 2, 5ml or 7ml, • 678, 800 and 1000 Hz: 0 to +25 mmho*, • Sensitivity scale HF: Autoscale to appropriate range, available scales at 678, 800 and 1000Hz: 5, 10, 15, 20, 25 mmho*.

AIR PRESSURE • Control: Automatic and Manual, • Range: from +400 up to -600 daPa adjustable in 50 daPa steps, • 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** • Reflex test method: Threshold , Automatic, Manual • Stimulus duration: 0,5 , 1 or 2 sec.

- User selectable protocols for all test methods, • Ipsi or Contralateral stimulation for all reflex test, • Automated peak search functions available for all test methods, • Manual Reflex: manual control of all stimuli, • Reflex Decay: Threshold , Automatic, Manual Stimulus duration: 10 or 20 sec., • ARLT: Threshold , Automatic, Manual Stimulus duration: 1 sec. fixed, • Non acoustic: 10/20 sec.

EUSTACHIAN TUBE FUNCTION • ETF test for use with both intact and perforated eardrums, • Also available test for patulous tympanic membrane. **FREQUENCIES AND INTENSITY RANGES** • Ipsilateral: – Pure tone level range (dBHL) from 50 to 110 (all version), – Noise level range (dB SPL) from 50 to 100 (all version), • Frequency: 500, 1000, 2000, 3000, 4000 Hz, BBN,HP or LP noise, • Contralateral: – Pure tone level range (dBHL) from 50 to 120 (all version), – Noise level range (dB SPL) from 50 to 115 (all version), • Frequency: 250, 500, 1000, 2000, 3000, 4000, 6000, 8000 Hz, BBN,HP or LP noise, • Accuracy: \pm 1% • Calibration accuracy \pm 3 dB, • Level steps: 1, 2, 5 or 10 dB • On/Off ratio: 70 dB min. **Audiometry Specification**

TYPE OF SIGNALS • Pure tone: sine wave, • Warble: \pm 5% frequency sine wave modulated, modulation: sine wave 5 Hz

- 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: 1kHz 6, 12, 18 ,24dB High pass filters
- On/Off rise – fall time: 40msec. **OUTPUT TRANSDUCERS** • ACR, ACL: 10 ohm DD45 matched pair earphone, (alternatively HDA280 Sennheiser, Insert earphones), • BC: B71-W Radioear; B81 (optional), • INSERT: Button receiver, • Free field output: 600 ohm impedance, • Monitor Phone: headset with boom microphone. **STIMULUS PRESENTATION MODALITY**
- Presentation: Normal, Reverse, Extended (present tone for 1 second from 20dB 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 in steps of 0,1dB up to 1.0dB; 1,5-2-3.4.5 dB, • DLI increment recurrence rates: 0.5Hz, 1Hz, 2Hz, • SISI increment recurrence rates: 0.2Hz, 0.5Hz, random;Time on 300ms, • 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 30sec and 60sec.* R35C-PT only

We are Manufacturer, Exporters and Suppliers of Clinical Audiometer With Tympanometer at wholesale competitive prices from India.

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