

CDCA - 3006

2 Channel Digital Clinical Audiometer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

▶▶ **Product Introduction**

- Pure Tone Audiometry
- Speech Audiometry
- Masking
- Tone Decay Test
- SISI, ABLB
- Stenger, Lombard
- Free Field Audiometry*
- VRA/COR*
- High Frequency Audiometry*

▶▶ **Empowering the Audiology Science through Advanced Technology!**

CDCA 3006 is a true hybrid audiometer dedicated to provide you the best experience of the technological advancement happened in audiometers over the period in the field of audiology.

It gives audiologist the seamless flexibility to use it as a Stand Alone as well as with PC. Its advanced software AudioSoft also enables the audiologist to use it via touch screen devices.

AudioSoft now features a complete, innovative database that provides test preview to check the patient's Audiological record.

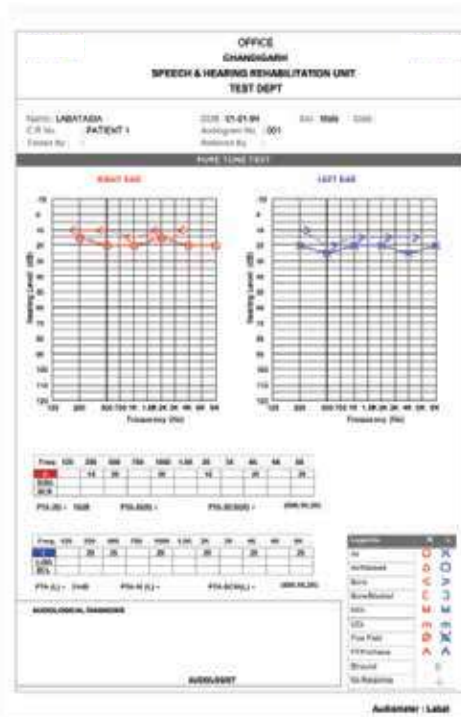
ATL has developed exclusive software that meets the requirements of modern audiology.

▶▶ **Salient Features**

- Truly HYBRID - Works Stand Alone as well as touch enabled operation with touch based PC / Laptop
- Auto Synchronized Tone and Masking
- 2 Independent Channels
- Real time plotting and updating of color coded Audiogram and Results.
- No frequent calibration

▶▶ **AudioSoft, the statistically most advanced audiological software**

The Audio Soft retrieves data directly from the hardware database to elaborate statistics more efficiently, also enables audiologists to retrieve the tests of patients, and provides statistical data arranged by age, type of problem, test date, etc.



Reports

Best in class representation of the ongoing test and reports

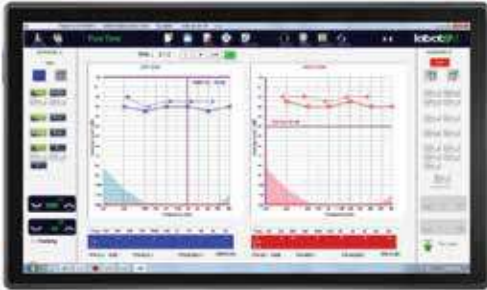


- LIVE voice, Embedded Speech (with Automated Speech Scorer) and Local Words* (No CD Player Required)
- Unlimited test memory on the device itself (< 10 millions)
- Advanced COR with on device controls
- Highly Portable and study built for longevity

▶▶ ***Optional: Local speech words Programing possible as per user provided audio files for local speech words.**



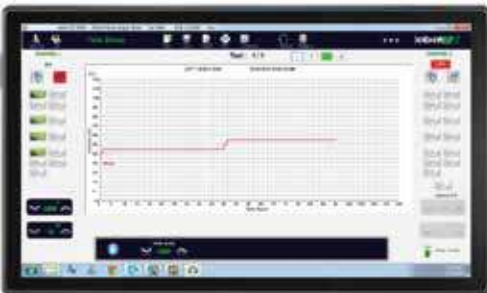
▶▶ Test Previews



PTA - Pure Tone Audiometry



Speech Test - Option of live voice / recorded speech and the programming of local speech material



Tone Decay - To detect and measure auditory fatigue



SISI - To differentiate between cochlear and retro cochlear disorder



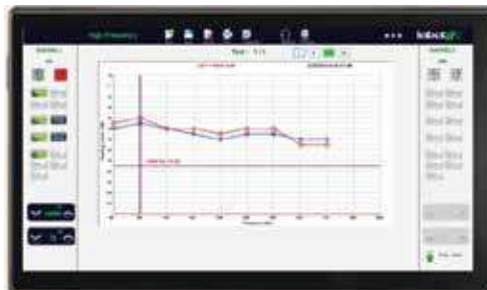
ABLB - To detect perceived loudness difference between the ears for people with unilateral hearing loss



Stenger - For patients who are suspected to malingering a hearing loss



Lombard - The observation of fluctuations in the intensity of a patient's voice



High Frequency - Upto 20KHz

▶▶ **VRA/COR**

VRA: Visual Reinforcement Audiometry provided with sound source and puppet reinforcer.



▶▶ **COR (Conditioned Orientation Reflex) :
Our big ears are all the better for them to hear with**

- An amusing COR to put young children at ease, creating a cozy environment to minimize children's worry about the test.
- The COR apparatus is controlled through on panel controls on the audiometer itself apart from software.
- It has visual light stimuli, a moving toy with illumination and Videos played on a monitor screen.

▶▶ **Complete COR with Audio and Toy linked COR**

- Large Mickey Mouse Trolleys 2 Nos.
- Large size Monitor Screens 2 Nos.
- Powered reward toys illuminated in synchronization with Audiometer 2 Nos.
- Fancy light reinforce / reward facility 2 Nos.
- Free Field Speakers 2 Nos.



▶▶ **Product configuration:**

Model	AC, BC, Speech, Masking, TDT	SISI/ ABLB	Stenger/ Lombard	High Frequency*	Free Field*	VRA/ COR*	Software Operation*
CDCA 3006	✓	✓	✓	✓	✓	✓	✓

▶▶ Technical Specification

- Brand - ATL
- Clinical audiometer two channel
- In-built MIC
- Touch Key Operations
- Automatic Synchronized tone & Masking
- No Frequent Calibration thanks to Stability of Digital Circuits

▶▶ Output

- AC R - AC L - AC R+L - BC R-L - FF R - FF L - FF R+L
- Masking Contra lateral with AC, BC, FF Pure Tone Frequencies
- AC: 125 - 8000 Hz
- BC: 250 - 8000 Hz
- AC (HF version): 9000 – 20 Khz
- FF: 125 - 8000 Hz
- Intensity range (1000 Hz) - 10 to + 120 dB HL
- Masking - WN, NBN, SN

▶▶ Speech Audiometry

Transducer	TDH39/49	ER-3A/3C	B71	FF
dB HL	120	100	70	100
SN - WN	95	95		95

▶▶ Speech Material

- List of the words installed in to flash memory
- CH1 - CH2 independent input, Tone, Speech, VU-Meters

▶▶ Standard Tests

- Air Conduction, Bone Conduction
- Tone Decay Test
- SISI (1 to 5 dB increment), ABLB
- Stenger, Lombard

▶▶ **Optional Tests/Modules**

- Free Field Audiometry
- High Frequency Audiometry
- VRA/CORA

▶▶ **Signal Mode**

- Normal ON - Normal OFF
- Continuous - Pulsed
- Warble - frequency modulated $\pm 5\%$ rate 5 Hz
- Patient Response
- Digital Output for Control of VRA/CORA

▶▶ **Accuracy**

- Resolution 16 Bit
- Precision ± 50 ppm
- Stability ± 100 ppm
- Distortion $< 1\%$
- Ratio signal/noise > 100 dB
- Power supply: 12V DC

▶▶ **Standard Accessories**

- Head Phone: TDH 39/49
- Bone Conductor : Radio EAR B71 W
- Patient response button
- USB cable
- CD with software

▶▶ **Optional Accessories**

- Head phone ER-5A or ER-3A
- Talk Back and Talk Forward
- Cables for silent room Speakers (for FF Option)
- Free Field High Power
- High Frequency Head phone HDA 280/ HDA 300
- VRA / CORA Accessories
- Patch Cords for 2 Room Setup

▶▶ Maximum Output Level (dB HL)

Frequency	125	250	500	1K	2K	3K	4K	6K	8K
AC	80	105	115	120	120	120	120	120	105
BC		40	60	65	75	70	70	40	40

▶▶ Environmental Storage Temperature

- -20 °C to +50 °C

▶▶ Operating Temperature

- 5 °C to +40 °C

▶▶ Operating Relative Humidity

- 10-90%

▶▶ Mechanical

- Weight: 1.45 Kg
- Dimensions: (31.5 x 19.5 x 6.5) cm

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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3007



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Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



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Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

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