labat
your partner in audiology

# audiolab+ pro

PC Based & Stand-Alone Diagnostic Audiometer

## Tests & Features

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

www.labatasia.com

Model Number: 333044002

Toll Free: 1800 123 004455

# Empowering the Audiology Science through Advanced Technology!

**Audiolab⁺ pro** is a truly hybrid audiometer dedicated to provide you the best experience of the technological advancements 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 based device. Its advanced software AudioSoft also enables the audiologist to use it via touch screen devices.

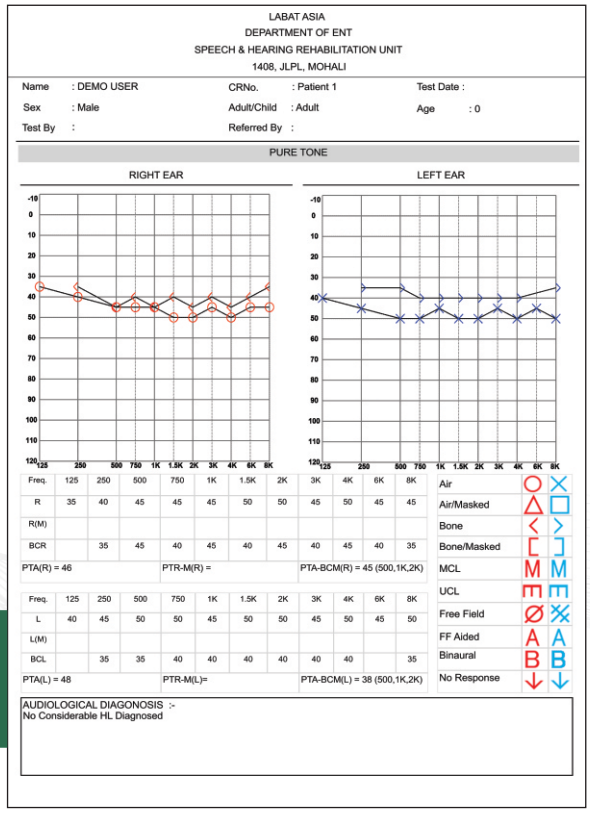
**audiosoft**
**AUDIOLOGY PLATFORM**

AudioSoft, the statistically most advanced audiological software

AudioSoft now features a complete, innovative database that provides test preview to check the patient's audiological record.
Labat has developed exclusive software that meets the requirements of modern audiology.

The AudioSoft retrieves data directly from the hardware database to elaborate statistics more efficiently, also enables audiologist to retrieve the tests of a patient and provides statistical data arranged by age, test date, etc.

**Easy to use ▸ ONE Button ONE Test!**


LABAT ASIA
DEPARTMENT OF ENT
SPEECH & HEARING REHABILITATION UNIT
1408, JLPL, MOHALI

Name : DEMO USER | CRNo. : Patient 1 | Test Date :
Sex : Male | Adult/Child : Adult | Age : 0
Test By : | Referred By :

PURE TONE

RIGHT EAR / LEFT EAR

| Freq. | 125 | 250 | 500 | 750 | 1K | 1.5K | 2K | 3K | 4K | 6K | 8K |
|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 35 | 40 | 45 | 45 | 45 | 50 | 50 | 45 | 50 | 45 | 45 |
| R(M) | | | | | | | | | | | |
| BCR | | 35 | 45 | 40 | 45 | 40 | 45 | 40 | 45 | 40 | 35 |

PTA(R) = 46 | PTR-M(R) = | PTA-BCM(R) = 45 (500,1K,2K)

| Freq. | 125 | 250 | 500 | 750 | 1K | 1.5K | 2K | 3K | 4K | 6K | 8K |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L | 40 | 45 | 50 | 50 | 45 | 50 | 50 | 45 | 50 | 45 | 50 |
| L(M) | | | | | | | | | | | |
| BCL | | 35 | 35 | 40 | 40 | 40 | 40 | 40 | 40 | | 35 |

PTA(L) = 48 | PTR-M(L)= | PTA-BCM(L) = 38 (500,1K,2K)

Air | Air/Masked | Bone | Bone/Masked | MCL | UCL | Free Field | FF Aided | Binaural | No Response

AUDIOLOGICAL DIAGONOSIS :-
No Considerable HL Diagnosed

## Audiogram:

Best in class representation of the ongoing test and report

## Standards & Certifications

- ISO 13485:2016
- Authorized GeM OEM
- ISO 9001:2015
- CDSCO Approved
- ZED Certificate
- RoHS Compliance
- IEC 60601-1:2005 + AMD:2012 Ed:3.1

# 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 minimizes children's worry about the test.

The COR apparatus is controlled through on-panel controls on the audiometer itself apart from the 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 Monitor Screens 2 Nos.
- Powered Reward Toys illuminated in sync with Audiometer 2 Nos.
- Fancy Light Reinforce / Reward Facility 2 Nos.
- Free Field Speakers 2 Nos.

Ref. No.: MKT/PM/05 Issue No.: 01 Issue Date: 11.06.2020 Rev No.: 05 Rev Date: 22.01.2026

# Salient Features

- Truly hybrid - works stand-alone as well as touch enabled operation with PC/Laptop
- Auto Synchronized Tone and Masking
- 2 Independent Channels
- Real-time plotting and updation of color-coded Audiograms and Results.
- No frequent calibration
- LIVE Voice, Embedded Speech (with Automated Speech Scorer)
- Unlimited test memory on the device
- Advanced COR with on-device controls
- Portable and sturdy built for longevity

## Technical Specifications

- Brand - Labat
- Two Channels Diagnostic Audiometer
- In-built Mic
- Touch Key Operations
- Automatic Synchronized Tone & Masking
- No Frequent Calibration

### Output

- AC R-AC L-AC R+L-BC R-BC L-FF R-FF L-FF R+L
- Masking (Contra Lateral) with AC, BC, FF, Pure Tone Frequencies
- AC: 125 - 8000 Hz, -10 to + 120dB HL in 5 dB Step
- BC: 250 - 8000 Hz, -10 to + 75dB HL in 5 dB Step
- AC (HF Version): 9000 - 20 Khz*
- FF: 125 - 8000 Hz
- Intensity Range (1000 Hz): -10 to + 120 dB HL
- Masking - WN, NBN, SN
- Direct Printout with Thermal Printer & PC Printer
- PDF Report
- USB Port for PC Connection

### Speech Material

- In-built Words in Device Hardware
- Speech
- AUX Port
- VU-Meter

### Specifications

- Power Supply: 220V, 50Hz
- Harmonic Distortion <1%

### Accuracy

- Resolution 16 Bit
- Precision ± 50 ppm
- Stability ± 100 ppm
- Signal to Noise Ratio › 100dB

# audiolab+ pro

## Maximum Output Level (dB HL)

| Frequency | 125 | 250 | 500 | 750 | 1K | 2K | 3K | 4K | 6K | 8K |
|---|---|---|---|---|---|---|---|---|---|---|
| AC | 80 | 105 | 115 | 115 | 120 | 120 | 120 | 120 | 120 | 105 |
| BC | | 40 | 60 | 65 | 65 | 75 | 70 | 70 | 40 | 40 |

## Standard Tests

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

## Optional Tests/Modules

- High Frequency Audiometry
- VRA/COR
- NOAH

## Signal Mode

- Normal ON - Normal OFF
- Continuous - Pulsed, Manual, MIC, External MIC
- Warble - Frequency Modulated ± 5% @ 5 Hz
- Patient Response
- Digital Output for Control of VRA/COR

## Standard Accessories

- HeadPhone: TDH 39/49 or Equivalent
- Bone Conductor: RadioEar B71- or Equivalent
- Patient Response Button
- USB Cable
- Power Adaptor
- Software

## Optional Accessories

- Insert Earphones (LP30)
- Talk Back and Talk Forward
- Cables for Silent Room Speakers (for FF Option)
- Free Field with Built-in Amplifier
- HF Head-Phone HDA280/300 or Equivalent
- VRA/COR Accessories
- Patch Cords for 2-Room Setup
- Insert Earphone Foam Tips (All Sizes)
- Thermal Printer

## Environmental Storage Temperature

- -20 °C to +50 °C

## Operating Temperature

- 5 °C to +40 °C

## Operating Relative Humidity

- 10-90%

## Mechanical

- Weight: 1.40 Kg
- Dimensions: (31.5 x 19.5 x 6.5) cm

*Available optionally at additional cost*

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