

# **VERTICAL TYPE CLEAN BENCH**



## **Instruction Manual**



**Model : LVT-003A**

**Please read this manual carefully before using the instrument**



**Labnics Equipment**

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## POINTS TO ENSURE SAFETY :

You must read the table given below before using the Clean Bench LVT-003A . If you have any trouble with the Clean Bench during an operation, please check the symbols and following instructions given in the manual book.

### Symbol & Definition :

Symbol	Definition
 <b>Precaution</b>	It could result in damage to your clean bench.
 <b>Warning</b>	It could result in an accident or personal injury.

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## **WARRANTY & SERVICE**

LVT-003A is warranted by LABNIC EQUIPMENT PRIVATE LIMITED for a period of one year from the date of purchase.

The warranty applies only to the defects or faults caused due to the fault of product workmanship or materials, and is not valid for the defects resulting from accidental damage, misuse or negligence and in case of alternations or repair carried out by an unauthorized person. Service under the warranty is provided only upon the presentation of a declaration form. Service is available in all countries where the product is officially distributed by LABNICS. If you need further information or have any difficulties, please contact your supplier or directly to LABNICS EQP. PVT. LTD.

## CHAPTER 1. INSTALLATION:-

 Precaution: If you make a discretionary alternation of Clean Bench or use it differently from its own functional purpose, it could cause the fault of Clean Bench or an accident.

### 1.1 Unpacking and Inspection:-


Remove all the packing materials and check your clean bench. If clean bench LVT-003A is either damaged or have some problem, do not try to repair it by yourself. Immediately contact your supplier or LABNICS.

### 1.2 Preparation:-

**1.2.1 Placement:-** Place the Clean Bench on clean, dry, horizontal and vibration-free location. Don't move it during the operation.

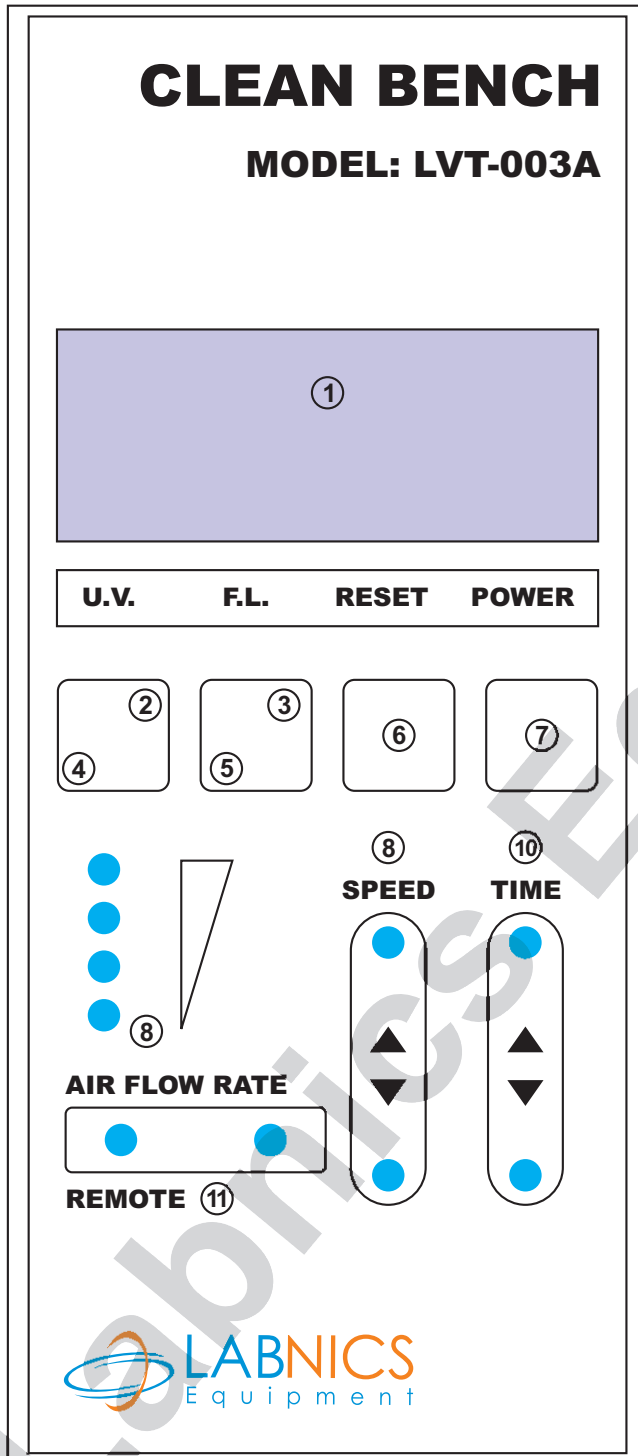
**1.2.2 Power Connection:-**

### WARNING: -

 Verify that the Clean Bench power matches your electrical source. Otherwise, it could cause an electric accident or could result in damage to the Clean Bench.

- Check the rear part of Clean Bench.
- Check that the power switch is off and then connect the plug to the power point or connector.

## CHAPTER 2. CONTROL ELEMENTS:-



1. LCD Display
2. Ultraviolet Lamp's LED
3. Fluorescent Lamp's LED
4. U.V Lamp On/ Off Button
5. Fluorescent Lamp On/ Off Button
6. Reset Button
7. Power On/Off Button
8. Velocity Level Indicator
9. Velocity Level Up/Down Button
10. Timer Setting Button (U.V. Lamp)
11. Remote Controller Sensor (Option)

## CHAPTER 3. OPERATION:-

Turn on the Power Switch. Then you can see the followings on display:

FAN	UV : OFF	T: 00
1	FL: OFF	T: 00

### 3.1 Ultraviolet Lamp:-

When you need an Ultraviolet Lamp Operation, press the Ultraviolet Lamp Button and set a desired time (time unit is minute) of the lamp's operation using the Up and Down button. In case of continuous operation, please lower the time till \*: \* is displayed. Then check that the lamp LED lights up.

"T" on the first line of display means setting value, and other one means running time.  
Time button is only for U.V. Lamp's operation.

### 3.2 Fluorescent Lamp:-

When you want to stop a Fluorescent Lamp's operation, press the Lamp Button.

And when you need a Fluorescent Lamp's operation, press the Fluorescent Lamp Button. Then check that the lamp's LED lights up or not.

### 3.3 Fan:-

There are 9 velocity levels. Each lamp of Velocity level indicator means 3 levels. Every 3 levels, light moves to the upper lamp. Number below the "FAN" on display means current velocity level.

### 3.4 Total running time:-

Please press up/down key of SPEED at the same time. Then, the total running time is displayed.

### 3.5 Setting of Filter exchange time:-


Please press up/down key of TIME simultaneously and set the appropriate LIFE time considering your working condition. (Time unit is hour) If the USED time is more than LIFE time, the below message is displayed with an alarm when you turn on the clean bench.

**FILTER CHANGE  
PRESS ANY KEY**

## CHAPTER 4. SPECIFICATIONS:-

Model		LVT-003A
Flow Type		Vertical Air Flow Type
Features		General Purpose
Dimensions (mm)	Inner	1220 x 600 x 700 (H)
	Outer	1300 x 990 x 1850 (H)
Main Control		Full Digital Microprocessor Control With Touch Pad
Winding Velocity		0.3-0.5m/Sec, 10 Stage Adjustable
Purity		Class 100
Display		Back Light LCD Digital Display
Main Filter		HEPA Filter/0.3Micron 99.99% Efficiency Filter
Pre Filter		High Efficiency Nylon Material, Internal Mounted
Material		Working Table : Stainless Steel Clean Bench: Steel Plate With Powder Coating
Illumination		40W Fluorescent Lamp x 2EA
UV Lamp		40W x 1 Set, 15W x 1 Set
Timer		Electronic Digital Timer, 99min or Hold
Utility		Receptacle, Gas Cock, Vacuum Cock
Door		Sliding Glass Door, Tempered Safety Glass
Power		220V, 50Hz
Catalog No.		24110301

## CHAPTER 5. CARE AND MAINTENANCE:-

 **WARNING:** Disconnect the Clean Bench from power supply before making attempt for cleaning or maintenance procedures. After use the Clean Bench should be wiped down with a soft cloth. Do not immerse the Clean Bench or pour liquids over it, as electrical shock may occur. Clean up any spills immediately by taking the proper precautions.

To ensure the long life of Clean Bench, it should be used in a dry and non-aggressive environment.

# SERVICE REPORT

Customer's Address : _____	Tel.No.: _____
_____	Fax No.: _____
Contact Person / Designation : _____	Weekly Off.: _____
_____	Dept.: _____

Date	Time		System Configuration	Model	Serial No.	Date :	SR. No.
	From	To				Status : OK <input type="checkbox"/>	Not OK <input type="checkbox"/>
						Installation <input type="checkbox"/>	Warranty <input type="checkbox"/>
						Demonstration <input type="checkbox"/>	
						Maintenance <input type="checkbox"/>	Contract <input type="checkbox"/>
						Repairs <input type="checkbox"/>	
						Application <input type="checkbox"/>	Billable <input type="checkbox"/>
						Calibration <input type="checkbox"/>	
						Validation <input type="checkbox"/>	Courtesy <input type="checkbox"/>

Nature of Problem : \_\_\_\_\_  
 \_\_\_\_\_

Observation & Action Taken : \_\_\_\_\_  
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Customer's Remarks : \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Parts Replaced : \_\_\_\_\_  
 \_\_\_\_\_

Parts Recommended / Action Required : Yes <input type="checkbox"/> No <input type="checkbox"/>		Requisition Number :
Service Engineer's Name & Signature	Customer's Name, Signature, Date & Stamp	