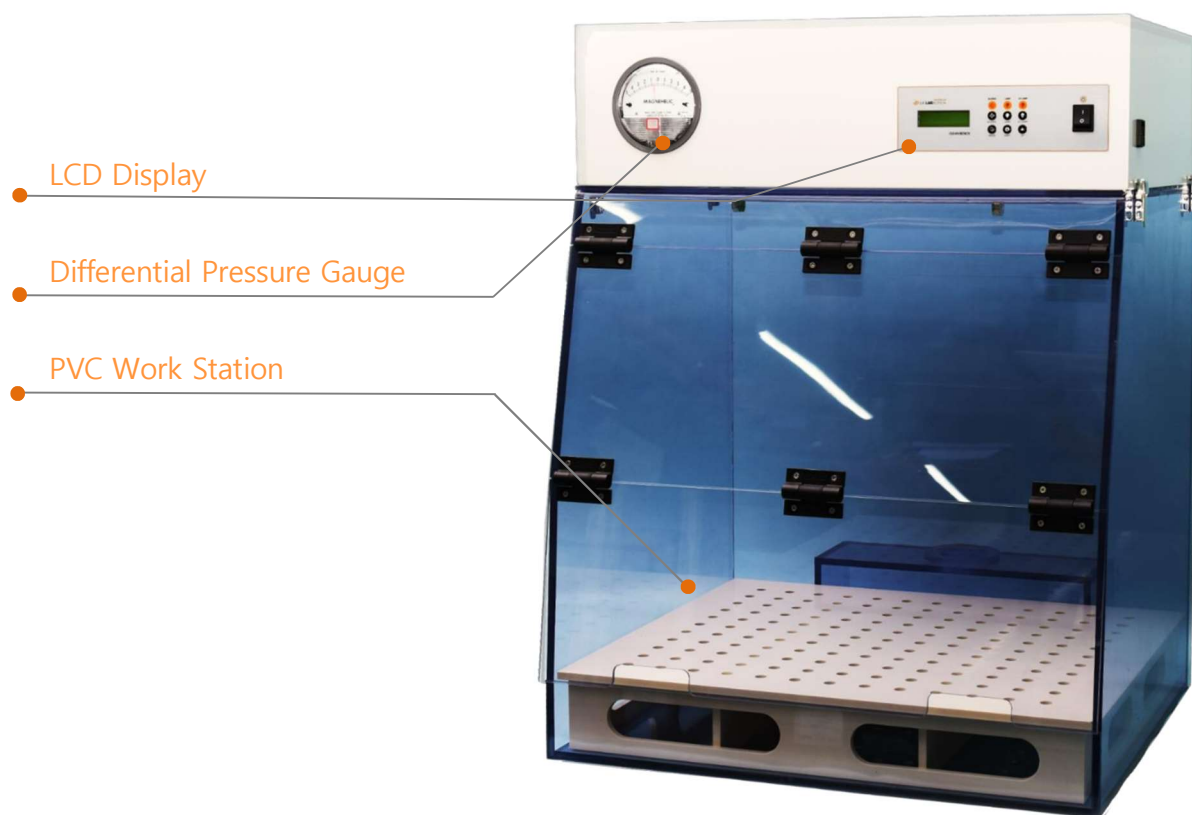




Desktop Clean Hood

User Guide

Version 1.0

Model

LM-0700P, LM-0900P

Thank you for purchasing the product of LK Lab Korea Co.,Ltd.

**This User Guide describes your product's function,
operation and safe use.**

**Please read carefully and keep them in mind
before you operate products.**

**In case some parts which need extra care for users,
we put some marks as below for the occasion.**



[Warning mark]

Indicates the situation requires user's attention.
Be careful when operating or controlling during usage.



[Attention Mark]

Indicates a dangerous situation.
Failure of this warning could result in serious injury of equipment damage.

Contents

1. Preparation	4
1.1 Product Introduction	4
1.2 Product Feature	4
1.3 Product Structure	5
1.4 Product Installation	6
2. Operation	7
2.1 Naming & Function of Controller	7
2.2 Operation Method	8
2.3 Timer Operation	9
2.4 Blower Speed Operation	9
3. Maintenance	10
3.1 Maintenance After Use	10
3.2 Disorder & Solutions	10
3.3 After Sales Services	11
4. Specification	12

1. Preparation

1.1 Product Introduction

This product is a clean hood that creates a clean working environment inside the hood. This various functions and safeguards maximize user convenience and safety.

1.2 Product Feature

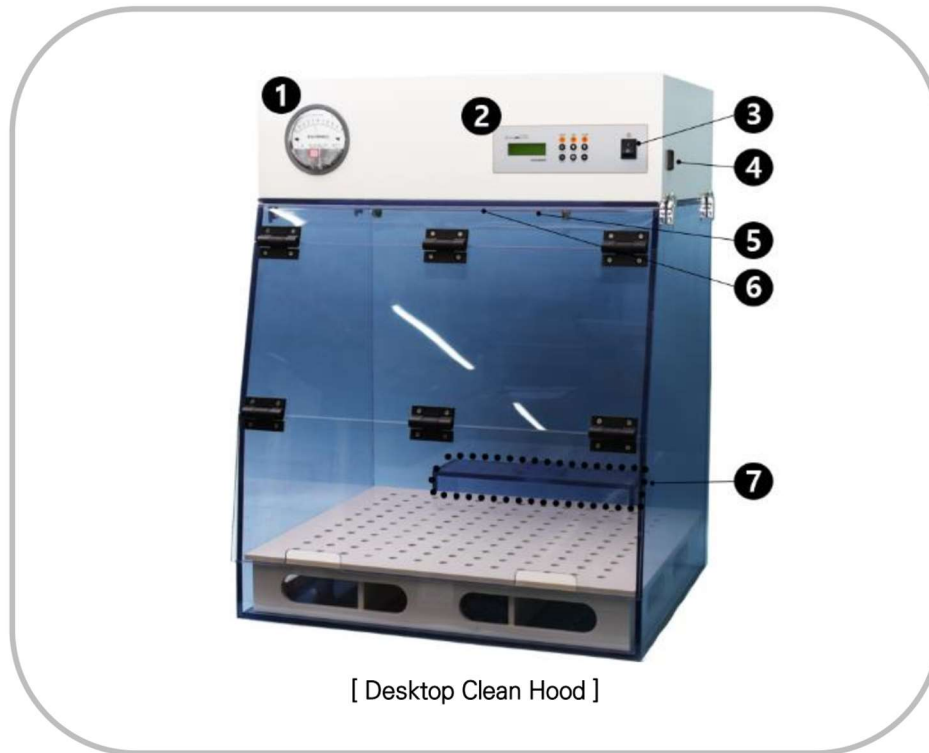
1.2.1. Performance and Convenience

- Increases reliability by forming a uniform plane wind speed
- Automatically shuts off when the door is opened during UV operation.
- Utilizes a Class 100 HEPA filter with a filtration efficiency of 99.97%.
- Offers 10 adjustable airflow levels within the bench.
- Displays all operational parameters on an LCD screen.
- Signals the replacement timing for Mail/Pre Filters with an audible alarm and on the LCD screen.
- Features a sliding sash door constructed from tempered glass.
- Allows for settings that disable simultaneous operation of the UV and FL lamps.

1.2.2. Safety

- Short circuit / Over current circuit breaker
- The UV lamp automatically turns off when the FL Lamp is turned on.

1.3 Product Structure



[1] Differential Pressure Gauge
Display filter performance

[2] Controller
Used to control temperature

[3] Power Switch
Main power on/off switch

[4] Power Cord
Power cord that powers the instrument

[5] Lamp
Install UV Lamp inside / sterilize
Install FL Lamp on external

[6] Filter
A device that filters the air inside the hood

[7] Exhaust Hole
A hole for venting internal air

1.4 Product Installation

1.4.1 Product Component

Main Body 1ea, Power Cord 1ea , User Manual 1ea

1.4.2 Product Installation Environment

- Please avoid direct sunlight
- Please install it on a flat place with low vibration
- Do not install where combustible gases may leak
- Do not install in places where strong high frequency noise may occur
- Do not install short circuits or in places where there is a risk of leakage
- Do not install in corrosive gas or dusty environments
- Do not install in an enclosed place
- When installing it, make sure that there is about 20cm of space around it



- Install in a place where the ambient temperature is 5 degrees or more and 40 degrees or less
- Install in a place where ambient humidity is less than 80%

1.4.3 Power Connection

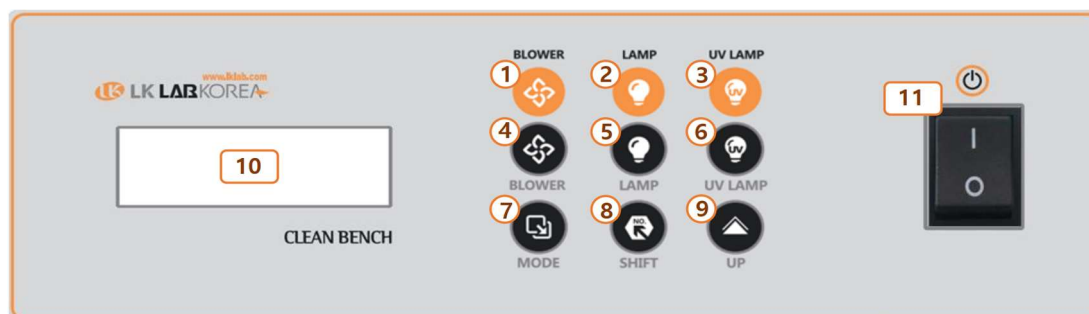
- Turn the Power Switch Off
- If the Power Cord is disconnected from the body, connect it to the body first and connect it to an outlet



- Provide power to meet product specifications
- Always use grounded power

2. Operation

2.1 Naming & Function of Controller



- [1] Blower Lamp (=Fan Lamp)
Turn on when the instrument's blower is running
- [2] FL Lamp (Fluorescent Lamp)
Lights when the FL Lamp on the instrument is turned on.
- [3] UV Lamp
Turn on when the UV Lamp on the instrument is turned on.
- [4] Blower Key (=Fan Key)
Key used to operate the Blower.
- [5] Lamp Key
Key used to operate the lamp.
- [6] UV Lamp Key
Key used to operate the UV Lamp.
- [7] Mode Key
Key used to switch menus.
- [8] Shift Key
Key used to move setting values to place.
- [9] Up Key
Key to increase the setting value.
- [10] LCD
Displays the status of the device and various data.
- [11] Power Switch
Main power ON/OFF switch.

2.2 Operation Method

<Initial Status>



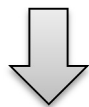
Blower SPEED settings, UV lamp status, FL lamp status, the Timer setting time appears in the display window.

<Basic Action>



[4], [5], [6] whenever you press the button, the ON/OFF state will be changed.

[5] & [6] buttons cannot be used at the same time. (=Lamp and UV Lamp cannot be used simultaneously)

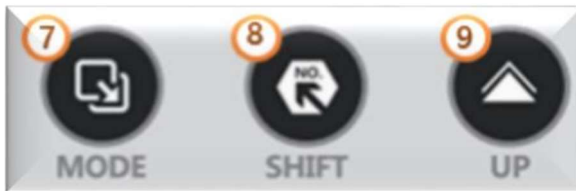


Each time the status changes, the Lamp comes in [1] , [2], and [3].

2.3 Timer Operation

The timer action indicates when the UV Lamp is turned on. Pressing the [6] button automatically activates the set timer value, and the UV Lamp is automatically turned off when the timer expires.

<Timer Setting>



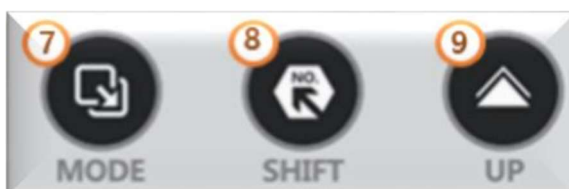
- Press the [7] button to switch to the timer setting screen.
- Set the timer with the [8], [9] buttons.



2.4 Blower Speed Operation

For optimal airflow, you can adjust the Blower Speed. The adjustable range for Blower Speed is from 1 to 9, with 0 indicating that the system is off.

<Blower Speed Setting>



- Press the [7] button to switch to the Blower Speed settings screen.
- Use the [8] and [9] buttons to set the timer.



3. Maintenance

3.1 Maintenance After Use

- ① After the experiment is complete, set the Power Switch to OFF.
- ② If the device becomes contaminated, unplug the power cord and clean the affected areas with an alcohol-based solution.
- ③ When not in use for an extended period, unplug the power cord and clean the device before storing it.

3.2 Disorder & Solutions

3.2.1 If the Device Does Not Power On

- Please check the power supply.
- Ensure that the circuit breaker on the side of the device is in the ON position.
- Verify that the Power Switch on the side of the device is set to ON.
- Check that the Power Cord is securely connected.
- Confirm that the circuit breaker for the outlet to which the device is connected is turned ON.
- If the device still does not operate normally after performing all these checks, please contact our Customer Service department.

3.2.2 If the Device's Circuit Breaker Continually Trips

- Please contact our Technical Service department.

3.2.3. Error Message

< Door Open Error >

Door to high! UV : off Tm:01:00

- This message appears when the device's door is open or has exceeded the set height.
- It will only occur when the motor is on or the UV lamp is active.

3.3 After Sales Services

① Warranty Period

The warranty period is one year from the date of purchase. After one year, free warranty repair services will no longer be available, and you will be responsible for any repair or parts replacement costs. During the warranty period, you can receive service from LK Lab Korea's Customer Service department or the point of purchase.

② Warranty Exclusions

Situations Not Covered by Warranty Warranty service will not be provided for damages caused by fire, flooding, contamination due to improper use, use of incorrect power supply, operation under abnormal conditions, or damage resulting from improper handling or misuse.

③ How to Request Warranty Service

To request service, please contact our customer service department or the point of purchase. Include your contact information along with a detailed description of the product's symptoms. After submitting your service request, we will send you an estimate. Please review the estimate and decide whether to proceed with the repair. If we do not receive a response within two weeks after submitting the estimate, the product will be returned to you.

4. Specification

Model		LM-0700P	LM-0900P
Size	Internal	w680×d570×h590 mm	w880×d570×h590 mm
	External	w700×d720×h1000 mm	w900×d720×h1000 mm
	Exhausted Duct	L150, d200 mm	
Filter	HEPA	HEPA filter 0.3 um 99.97% Efficiency Filter	
	Pre-filter	Efficiency Nylon Filter	
Material	Upper Case	Powder Coated Steel	
	Working Space	PVC	
Wind Velocity		0.3 ~ 0.5 m/sec, 10 step adjustable	
Lamp		FL lamp 1ea, UV lamp 1ea	
Control System		LCD Digital Controller	
Power		1 Phase, 220 Vac, 60 Hz	

Memo

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