



Electronic Wire Drying Rack

User Guide

Version 1.0

Model

LD-700, LD-900

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.**

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1 Safety Warnings and Cautions

1.1 Label Description

The label attached to the present body provides safety information and safety information.

Label	Description
	Precautions and Warning Sign
	Electric Shock Hazard Warning Sign
	Arbitrarily NO Disassembly, Repair, or Renovation Sign
	Earth Grounding Sign

1.2 Safety Precautions



Before powering on the product, check the power specifications shown on the product label and supply the product with appropriate power.



Must use a grounded power source.



Do not use it where there is a risk of explosion (combustible gas, organic vapor, etc.).



Do not expose the product to direct sunlight.



Do not use it in places where humidity is high or there is a risk of flooding.



Do not arbitrarily disassemble, repair, or modify the product; the product may not function properly and may not be repaired under warranty rules.



Do not use near devices with high frequency noise.

2 Product Configuration and Information

2.1 Product Information

This product is a drying device designed for various laboratory instruments, utilizing hot air drying technology to significantly improve drying time and performance. It is available in two models with different sizes and features adjustable hot air temperature control for convenience. Additionally, it is equipped with an overheating safety device for enhanced safety.

The product has the following features:

- Utilizes hot air for fast and convenient drying.
- Modular design allows for easy assembly and disassembly, with adjustable shelf height.
- Includes a translucent curtain to reduce dust contamination.
- The drying temperature is adjustable.
- The timer function allows for setting the operating time.
- Equipped with wheels for easy mobility.

<Specification>

Cat. No.		C04-02-100	C04-02-150
Model		LD-700	LD-900
Size (w x d x h)		w700 x d450 x h1600 mm	w900 x d450 x h1600 mm
Control	Controller	Digital PID Controller	
	Temperature	Ambient +10 °C ~50 °C / 0.1 °C Resolution	
	Timer	1min ~ 99hr 59min or Continuous	
Material	Main Frame	304 Stainless Steel	
	Control Box	Powder Coated Steel	
Electric Supply	Power	1 Phase / 220Vac / 50/60 Hz	
	Max Consumption	500 W (2.3 A)	
	Power Line	Standard Plug	
Shelf hole (mm)		1st (85 x 85), 2nd (50 x 50), 3rd (36 x 36), 4th (25 x 25)	
Safety		Over Temp. & Over Current Protection	

2.2 Product Components

Product Name	Image	Quantity
Main Product		1ea
Curtain		1ea
User Manual		1ea
Drip Tray		1ea
Power Cord		1ea

2.3 Product Structure



① Temperature Controller

② Power Switch

③ Power Socket & Fuse

④ Shelves

⑤ Wheels

⑥ Curtain

⑦ Drip Tray

3 How to Use

3.1 Installation and Power Connection

- ① Secure the wheels in place.
- ② Insert the power cord into the power socket located at the upper back of the device and connect it to the outlet.



Before powering on the device, please verify the power specifications indicated on the product label and ensure the correct power supply is used.

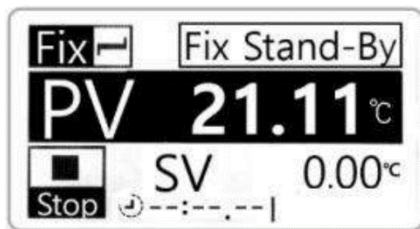
3.2 Naming & its Function of Controller



- ① Display Screen: Shows the device status and various data.
- ② Up Button: Increases the set value.
- ③ Down Button: Decreases the set value.
- ④ Shift Button: Moves the position of the set value.
- ⑤ Run/Stop Button: Used to start/stop the device and save the set values.
- ⑥ Mode Button: Switches between setting options.
- ⑦ Mode Indicator: Displays the current mode.
- ⑧ Message Window: Shows messages related to the device status.

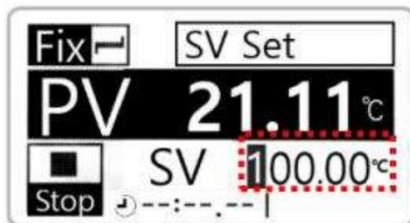
- ⑨ PV: Displays the current temperature.
- ⑩ SV: Displays the target temperature.
- ⑪ Timer: Shows the remaining time during operation
(continuous operation is set to "--.--.--").
- ⑫ Run/Stop Indicator: Displays the operating/stop status of the device.

3.3 Operation Method



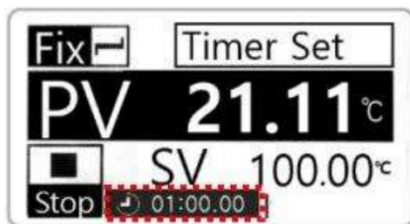
Initial Screen:

The default setting value is set to 50 °C, and when the switch is turned ON, the motor operates continuously and starts running.



SV(Target Temperature) Setting

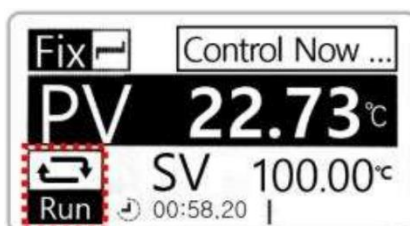
0 ~ 50 °C



Timer Setting (hh:mm:ss)

00:00:01 ~ 99:59:59

Continuous Running --.--.-- (Down Button at 00:00:00)



Start Running

During operation, press and hold the Run/Stop key for 3 seconds to stop the operation.

4 Maintenance

4.1 Internal Cleaning

- ① To clean the product, unplug the power cord and remove the internal shelves.
- ② Dampen a cloth with a low-boiling alcohol solvent (such as ethanol) to wipe down the contaminated areas.



Do not pour water directly onto the exterior or interior of the device during cleaning, as this may pose a risk of electric shock or damage to the product.

4.2 Disorders and Solutions

Disorders	Cause	Solutions
Device Does Not Power On	Power supply not matching product specifications	Check the power specifications on the product label located on the back and provide the correct power supply
	Fuse is blown	Request service
	Power plug is not properly connected	Ensure the power plug is securely connected
Building's circuit breaker has tripped	A device exceeding the circuit breaker limit is connected.	Only connect this device to the circuit
	Power leakage	Request service
Controller buttons not functioning	Controller malfunction	Request service
LBA ERROR alarm	Heater malfunction	Request service
OVER TEMP. ERR alarm	Temperature exceeds allowable limit	Allow the internal temperature to drop after stopping operation, then restart. If it repeats, request service.
SENSOR OPEN ERR alarm	Temperature sensor malfunction	Request service

5 Warranty

5.1 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.

5.2 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.

5.3 After Sales Services

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.

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