

UNICO®

Clinical Incubator

OPERATION MANUAL

For use with MFR# L-CU100



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INTRODUCTION

United Products & Instrument, Inc has been providing quality laboratory equipment for the medical practices for many years. The new L-CU100, L-CU200, L-CU300 incubators are designed to meet the needs in the fast growing medical and health care industries. L-CU series instruments are general purpose laboratory incubators. They are ideal for cultures, microbiology and other biology in hospitals and laboratories.

FEATURES

- Simple keypad input allows easy temperature setting.
- LED digital display enables users to monitor the chamber temperature.
- Alarms (alarm 1 and alarm 2) alert users of abnormal conditions if the chamber temperature exceeds the setting temperature by 10°C.
- Max. Temperature 70°C.
- Double doors allow sample viewing through the inner clear door.
- The shelf positions are adjustable.

CONSTRUCTION

The enclosure of the incubators is made of metal. It uses double wall construction, fiberglass insulation. And the silicon rubber door sealing reduce heat loss and power drain.

SPECIFICATIONS

Capacity:	10Liters
Convection:	Natural convection
Working Temperature:	Ambient +5°C. - 70°C.
Shelf	2 included
Power (Watts)	300 Watts

UNPACKING AND INSTALLATION

The incubator is packaged and supported by heavy duty plastic air bags and then put in a carton box for shipping. Please examine the shipment upon receiving and retain all packing materials until the unit has been tested. The warranty excludes any damage caused by shipping.

Inspect for any possible shipping damage. If you note any damage, please contact your UNICO representative. Save the original packaging. If it becomes necessary to return the instrument to us, we ask that it be returned in the original packaging.

Unpack the shipping carton carefully and verify that the shipment is complete. It should include the following items:

Incubator	1 unit
Shelves and supports	1 pc.
Operation manual	1 pc.

No on-site installation required. Follow simple procedures below to set the incubator up:

- Take the incubator from the packaging and place it on a dry, sturdy flat surface.
- Open the incubator door. Install the shelf supports at the proper height. Then put the shelf on the supports.
- Plug the power cord to a proper power outlet.

Make sure the voltage of the power source matches the voltage input of the incubator.



Control Panel

SET THE TEMPERATURE

Press UP/DOWN arrow button to set temperature.

Press SET button to confirm. The SV (set value) will display the new SET temperature.

OPERATION

1. Make sure no objects are placed on top of the incubator.
2. Make sure the surrounding area is clear for good ventilation.
3. Plug the incubator into a power source outlet. Make sure the voltage is correct.
4. Press ON/OFF button so that the power indicator is RED.
5. The display will show the status of the incubator:
PV (Present temperature value) shows the current chamber temperature.
SV (Set temperature) represents the SET temperature.
6. When the PV temperature reaches the SV value, open the incubator door; put your sample in and close the door.
7. If the SV displayed is not the correct temperature you want refer to “Set the Temperature” in this manual to set the proper temperature.

CAUTION

1. Make sure that the door is closed well to prevent heat loss and power drain.
2. Do not put any objects on the top of the instrument.
3. **Don't put anything directly on the bottom at the risk of fire.**
4. Place your plates on the shelves only

NOTES

1. Flashing OUT indicator means the instrument is heating
2. After PV reaches the SV and stabilizes, ALM1 will light up the if the PV value exceeds SV by setting point (10°C). In this case turn the unit off, open the door for about 30 min and restart. If the issue persists, contact your distributor for service options.

MAINTENANCE

This incubator is designed to be relatively maintenance free. A surface cleaner such as Formula 409 can be used to clean the outside of the instrument. The chamber and door can be disinfected with a mild solution of bleach or other disinfecting liquid and allowed to dry. Do not drench or immerse the unit in any liquid! Be sure to disconnect the power before attempting to clean.

There is a circuit breaker on the back of the incubator. The breaker will be activated should there is electric current overflow. To reset the breaker just press the black button.

ELECTRICAL SHOCK HAZARD

Do not attempt to operate this instrument near water or liquid spill. Unplug the unit before cleaning or repairing. Periodically check the condition of the power cord for cuts or damage. Do not operate with a damaged cord.

BIOHAZARD

If a tube breaks, a biological hazard may exist. Unplug the instrument. Clean using approved laboratory procedures. Always wear the proper protective clothing and gloves. Use a suitable disinfectant and dispose of the sample properly. Refer to the guidelines set forth by OSHA, CLIA, etc.

SERVICE

If you feel that your incubator needs factory service, please contact your UNICO representative to determine the nature of the problem. Simple problems may be resolved over the telephone. If the instrument needs to be returned, a manufacturer R.G.A. (return goods authorization) number will be issued. Please reference the R.G.A. number on the paperwork packed with the instrument, and on the outside of the carton

REPAIRS OR MODIFICATIONS MADE TO THE INCUBATOR BY AN UNAUTHORIZED PARTY WILL VOID THE WARRANTY.

WARRANTY

This instrument is warranted against defects in materials and workmanship for a period of one (1) year from the date of shipment to the customer. This warranty is limited to the repair and replacement of parts, which prove to be defective during the warranty period. This warranty is not valid for parts damaged, lost, or which fail because of accident, fire, theft, acts of nature, negligence, or the use of chemicals, which have a deleterious effect. This warranty is conditioned upon the manufacturer retaining the option of replacing parts up to and including the entire instrument.

Note: This warranty will not extend to any repairs or modifications made to the instrument by some party other than the manufacturer or a party authorized by UNICO. Also, this warranty shall be in effect only upon the notice of the defect to the manufacturer or its authorized distributor, or dealer, within five (5) days after the occurrence of said defect

No other warranty of any kind is made express or implied. The warranty described above shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period described above, shall constitute complete fulfillment of all liabilities and responsibilities of the manufacturer to the purchaser with respect to the product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall the manufacturer be liable, or in any way responsible for any damages or defects in the product that were caused by repairs or attempted repairs performed by anyone other than the manufacturer's dealer or station, nor shall the manufacturer be liable or in any way responsible for any incidental or consequential economic or property damages. Some states do not allow the exclusion of incidental or consequential damage, so the above exclusion may not apply to you.