



**CLIMATIC
CHAMBER**

Climatic Chamber LCC-100 series

Labocon Climatic Chambers LCC-100 Series achieves homogenous light distribution with constant temperature conditions for controlled growth of plants. Microcomputer programmable PID controller with LCD screen display and unique air circulation system makes it a perfect growth partner in tissue cultivation, microorganism preservation and other constant temperature and illumination experiments.

Features:

- Mirror finished stainless steel inner chamber and cold-rolling steel with static spray plastics exterior
- Double door design with built-in tempered glass viewing window
- Built in high capacity intelligent humidification system
- Automatic water replenishment by external tank
- 3-side illumination can be adjusted in five steps
- Unique air circulation system ensures temperature uniformity
- Programmable microcomputer based PID controller with LCD display
- Environment efficient, energy-saving Fluorine-free Refrigerant R134
- Durable refrigeration system with small temperature fluctuation, auto defrosting and multiple layers security
- Timer and over temperature alarm function
- Optional:
 - Microcomputer communication interface and software
 - Test hole
 - Gas interface
 - Printer

Application:

Labocon Climatic Chamber is used for plant growth, tissues cultivation, seed germination, insects or infant animals breeding, microorganism or antibiotic cultivation and preservation, and other constant temperature and illumination experiments.



Climatic Chamber LCC-100 series

Specification:

Model	LCC-101	LCC-102	LCC-103
Capacity	150 L	250 L	350 L
Temp. Range	5-50°C (Light off), 10-50°C (Light on)		
Temp. Accuracy	±0.5°C		
Temp. Uniformity	±2°C		
Temp. Fluctuation	±2°C		
Temp. Resolution	0.1°C		
Illumination Range	0-10000Lux	0-15000Lux	
Control Steps	5 Steps		
Temp. Sensor	Pt 100Ω		
Timer Range	0~99h		
Shelves	2		
Load per Shelf	10 kg		
Inner Dimension	800x500x380 mm	1000x550x450 mm	1200x550x550 mm
Overall Dimension	1350×640×660 mm	1550×690×660 mm	1700×750×700 mm
Power	900 W	1000 W	1200 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	120/150 kg	155/200 kg	188/220 kg
Catalog No.	9483101301	9483102301	9483103301

Climatic Chamber LCC-300 series

Labocon Climatic Chambers LCC-300 Series achieves homogenous light distribution and also maintains constant lighting and temperature conditions for excellent controlled growth of plants. The three dimensional lighting type enhances light uniformity in the chamber. Airflow fresh device maintains fresh airflow required by the plants and other sample products.

Features:

- Mirror finished Stainless Steel AISI314 inner chamber and cold-rolling steel with static spray plastics exterior
- 4-side illumination can be adjusted in six steps
- High quality, low-noise centrifugal fan ensures the temperature uniformity
- Environment efficient, energy-saving CFC-free R134a refrigerant
- High quality compressor and heater balanced controller ensures temperature accuracy and reduces temperature fluctuation
- Micro-computer temperature controller with LCD display
- Multiple storable programs, each for maximum of 99 hours to set
- Programmable design can set 30 segments
- Independent temperature limit system
- Audio visual alarm for water level control and over temperature control
- Data can be stored and recovered on power or system failure
- Optional:
 - Supplementary oxygen,nitrogen interface
 - RS485 interface
 - Printer

Application:

Labocon Climatic Chamber is used for plant growth, tissues cultivation, insects or infant animals breeding, microorganism or antibiotic cultivation and preservation, and other constant temperature and illumination experiments.



Climatic Chamber LCC-300 series

Specification:

Model	LCC-301	LCC-302	LCC-303
Capacity	250 L	300 L	400 L
Temp. Range	0-60°C (Light off), 10-60°C (Light on)		
Temp. Accuracy	±1°C		
Temp. Uniformity	±1.5°C		±2°C
Temp. Fluctuation	±1°C		
Temp. Resolution	0.1°C		
Illumination Range	0-15000Lux	0-20000Lux	0-22000Lux
Control Steps	6 Steps		
Temp. Sensor	Pt 100Ω		
Timer Range	1-9999min		
Shelves	2		
Load per Shelf	15 kg		
Inner Dimension	500x530x950 mm	550x580x950 mm	590x620x1100 mm
Overall Dimension	690x705x1650 mm	740x755x1650 mm	780x795x1800 mm
Power	1000 W	1100 W	1200 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	76/117 kg	86/131 kg	106/152 kg
Catalog No.	9483108202	9483109202	9483110202



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