



## CLIMATIC CHAMBER BER-2403

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## CLIMATE CHAMBER WITH ILLUMINATION



1. Double door structure, with high quality stalinite to observe sample.
2. 7.0 inch true color touch screen display, convenient to view historical temperature data and Appointment auto start and stop.
3. Full spectrum 0-30000LX adjustable multiple levels, 30 sections programmed Temp. LUX and time controller.
4. Full spectrum LED top light source design, high illumination, low thermal radiation, long service life, removable Light partition, adjustable layer space.
5. The evaporator temperature is collectively controlled by the backflow valve and expansion

## SPECIFICATIONS

| Model                         | BER-2403                                                                                                                                                                                                                                                           |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cycle Mode                    | Forced convection, Rear micropore. Supply air in front of the plate                                                                                                                                                                                                |
| Function                      |                                                                                                                                                                                                                                                                    |
| --Temp. Range                 | Without illumination: 5 - 65°C; With illumination: 10 - 65°C                                                                                                                                                                                                       |
| --Temp. Resolution Ratio      | 0.1°C                                                                                                                                                                                                                                                              |
| --Temp. Motion                | ±0.5°C                                                                                                                                                                                                                                                             |
| --Temp. Uniformity            | ±1.0°C                                                                                                                                                                                                                                                             |
| --Illumination (LX)           | Full spectrum 0-30000LX many degrees for adjusting                                                                                                                                                                                                                 |
| Structure                     |                                                                                                                                                                                                                                                                    |
| --Inner Chamber               | SUS304 stainless steel sheet                                                                                                                                                                                                                                       |
| --Outer Shell                 | Cold rolling steel electrostatic spraying exterior                                                                                                                                                                                                                 |
| --Thermal Insulation Material | Polyurethane                                                                                                                                                                                                                                                       |
| --Light Barrier               | Standard four-layer full spectrum LED lamp board                                                                                                                                                                                                                   |
| --Heater                      | Stainless steel heating tube                                                                                                                                                                                                                                       |
| --Power Rating                | 2.5kW                                                                                                                                                                                                                                                              |
| --Compressor                  | Imported air-cooled sealed compressor                                                                                                                                                                                                                              |
| --Coolant                     | R134a                                                                                                                                                                                                                                                              |
| --Defrosting Structure        | Automatic                                                                                                                                                                                                                                                          |
| --Leading Wire Hole           | The outer diameter of standard inflation port interface is 10mm                                                                                                                                                                                                    |
| Controller                    |                                                                                                                                                                                                                                                                    |
| --Temp. Control Mode          | 30 segment program                                                                                                                                                                                                                                                 |
| --Temp. Setting Mode          | Touch screen settings                                                                                                                                                                                                                                              |
| --Temp. Display Mode          | 7.0 inch true color touch screen display                                                                                                                                                                                                                           |
| --Operation Function          | Fixed temperature operation, timing function, auto stop, Appointment start, Program Operature                                                                                                                                                                      |
| --Program Pattern             | Standard configuration                                                                                                                                                                                                                                             |
| --Sensor                      | PT100                                                                                                                                                                                                                                                              |
| --Additional Function         | Make an appointment to switch on and off, query the historical temperature data curve, store and export the U disk data, correct deviation, lock the menu key, power failure compensation, power failure memory, circuit self-diagnosis and intelligent defrosting |
| Safety Device                 | Over temperature will automatically cut off the heating, long-term under temperature cut off the refrigeration system, protect the sample; loop self-diagnosis                                                                                                     |

|                                   |                                                                                                                  |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------|
| Specification                     |                                                                                                                  |
| --Inner Chamber Size (W*L*H)(mm)  | 630*670*1100                                                                                                     |
| --Exterior Size (W*L*H)(mm)       | 824*896*1860                                                                                                     |
| --Packing Size (W*L*H)(mm)        | 923*1033*2110                                                                                                    |
| --Volume                          | 450L                                                                                                             |
| --Load Per Rack                   | 15kg                                                                                                             |
| --Shelf Space                     | 120mm                                                                                                            |
| --Supply (50/60Hz) Current Rating | AC220V/5.5A                                                                                                      |
| --NW/GW (kg)                      | 300/340                                                                                                          |
| Accessory                         |                                                                                                                  |
| --Shelf                           | 4                                                                                                                |
| --Shelf Plate                     | 8                                                                                                                |
| Optional Accessories              | Light barrier, USB interface and upper computer software, printer, wireless SMS alarm, CO2 concentration control |
| Alt Name                          | Climate Chamber With Illumination                                                                                |

## FEATURES

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3. Full spectrum 0-30000LX adjustable multiple levels, 30 sections programmed Temp. LUX and time controller.
4. Full spectrum LED top light source design, high illumination, low thermal radiation, long service life, removable Light partition, adjustable layer space.
5. The evaporator temperature is collectively controlled by the backflow valve and expansion valve, greatly prolonging the service life of the compressor.
6. High precision digital independent temperature controller.
7. Imported high quality temperature sensor and compressor.

## APPLICATIONS

Light culture of microorganism, cell tissue, seedling, insect and small animal.



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