



## BENCHTOP SHAKING INCUBATOR BER1BC2

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DESKTOP CONSTANT TEMPERATURE SHAKER[LCD]



Ultra-low speed start, auto-lock when speed out of control, adjustable start-up speed .  
Multi-stage speed, temperature and time control system.  
Can set different speed, temperature and time in one time, automatic change operating mode during working.  
Silent fan design, forced air convection mode and unique air circulation structure, ensure good temperature uniformity.  
Automatic refrigerating mode, environmental friendly cryogen, automatic control for refrigerating system on and off based on ambient temperature.  
Intelligent refrigerators without frost, automatic defrosting function, can set time and interval time for defrosting, ensure machines in stable operation under low temperature. With refrigerating delay start-up function to protect the comp

## SPECIFICATIONS

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                      | BER1BC2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Control Mode               | PID Microcomputer Processing Chip                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cycle Mode                 | Forced Air Convection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Oscillation Mode           | Cyclotron Oscillation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Display Mode               | LCD Display                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Drive Mode                 | Single-Dimensional Drive                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| USB Data Download System   | Yes ( optional )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Control System             | Standard Mode;Continuous Mode;Programable Mode(multi-stage temperature,speed and time control)                                                                                                                                                                                                                                                                                                                                                                                                       |
| Rotary Speed Range(rpm)    | 0, 20-450(Static Cultivate, Positive And Negative Rotation)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Rotary Accuracy(rpm)       | ±1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Amplitude(mm)              | Φ26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Max Capacity (clamp)       | 100ml x 23 or 250ml x 15 or 500ml x 9 or 1000ml x 6 or 2000ml x 4                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Max Capacity (stick mat)   | 100ml x 30 or 250ml x 20 or 500ml x 9 or 1L x 8 or 2L x 4                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Standard Configuration     | 100ml x 4 50ml x 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Plate Size(mm)             | 450 x 410                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Timer Range(h/min)         | 0-9999 (with timing function, continuous operating)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Temperature Range(°C)      | 4-65(25°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Temperature Accuracy(°C)   | ±0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Temperature Uniformity(°C) | ±0.5(37°C, Effective Working Area)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Temperature Motion(°C)     | ≤0.1(37°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tray Number                | 1 piece                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| External Size(mm)          | 750 x 710 x 520                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Capacity(L)                | 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Power(W)                   | 650                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Power Supply               | AC220 ± 10% 50-60HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Ambient Temperature(°C)    | 5-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Additional Function        | Ultra-low speed start, adjustable start speed, automatic over speed protection, timer monitor, parameter memory, electricity incoming recovery, refrigeration unit overload protection and electricity incoming delay start, automatic defrosting, upper and lower limits over temperature acousto optic alarm, automatic stop by door opened (optional), LED light, UV sterilizing function (optional), parameter setting for viewing, calibration for monitor temperature and ambient temperature. |
| Alt Name                   | Desktop Constant Temperature Shaker(LCD)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## FEATURES

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Three rotation modes for choosing positive rotation inversion reciprocal and mutual conversion.

LCD display temperature, time and speed on the same screen.

With fault self-diagnosis, indicating fault location and fault code, to help find problems and solve problems .

High precision speed control PID feedback control, avoid damage from long time motor working at low speed causing motor under over heating.

Equipped with servo motor, control speed accuracy, high and low speed performance.

Selected imported compressors meet the international environmental protection requirements, safe fluorine free refrigeration, and low noise.

With ultraviolet disinfection (including air duct disinfection) and lighting functions.



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