



## BOD Biochemical Incubator

Model: CY-5-I



### 1.Application

BOD biochemical incubator (BOD Incubator, the same below) is a BOD test equipment that integrates heating and cooling functions. It is an ideal choice for colleges, environmental protection, scientific research, health, epidemic prevention, petroleum, chemical and other units. .

It is widely used in BOD determination of water body analysis, cultivation and preservation of microorganisms, viruses, plants, algae cells and tissues, plant cultivation and breeding, and other constant temperature tests.

### 2.Main Features

1. The Incubator body is made of high-pressure polyurethane, which has excellent heat preservation performance and is firm and firm.
2. The outside of the Incubator is sprayed with high-quality cold-rolled steel plate. The inside is made of brushed stainless steel inner tank, and the spacing of the shelves in the Incubator is adjustable.
- 3, the use of brand compressors, the use of environmentally friendly fluorine-free refrigerant (R134a), high efficiency, low energy consumption, energy saving and environmental protection.
- 4, microcomputer PID control, accurate and reliable temperature control, less fluctuations, with timing function.
- 5, SMOOTH overall air duct uniform system, temperature control is more accurate.
- 6, independent temperature limit alarm system, double temperature limit ( $\pm 4^{\circ}\text{C}$  and upper limit  $70^{\circ}\text{C}$ ) protection, automatically interrupted beyond the limit temperature.

7. Reserve printer or RS485 interface, connect printer and computer, record temperature change parameters.
- 8, LED display, clock display and timing function to facilitate observation of training time, you can set the timing time of 0-9999 minutes.
9. The left side of the Incubator has a test hole with a diameter of 30mm, which is convenient for experimental operation and temperature measurement.
10. Self-diagnosis function, automatic monitoring of faults and visual indication of fault codes.
11. The BOD special socket is installed in the Incubator.

### 3. Technical Parameters

|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| Model                        | CY-5-I                                                       |
| Capacity(L)                  | 100                                                          |
| Temperature Control (°C)     | 5~65°C                                                       |
| Temperature resolution(°C)   | 0.1°C                                                        |
| Temperature fluctuation (°C) | ±0.3°C                                                       |
| temperature uniformity (°C)  | ±0.8°C                                                       |
| Refrigerant                  | R134a                                                        |
| Power consumption (W)        | 179W                                                         |
| Power                        | 220VAC 50Hz                                                  |
| Inner dimension(cm)          | 45×43×53                                                     |
| Outer dimension (cm)         | 52×52×110                                                    |
| Other                        | Polyurethane integral foaming, brushed stainless steel liner |