



## FORCED CONVECTION OVEN BODR-302

# FORCED CONVECTION OVEN BODR-302

## FORCED AIR DRYING OVEN



1. Horizontal air circularly by double air ducts, high efficiency and high uniformity.
2. PID controller, with over-temperature protection function.
3. With fan switch, LED digital display, high temperature blast motor.
4. New anti-hot handle.

## SPECIFICATIONS

|                                 |                                                                                                                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                           | BODR-302                                                                                                                                                                                                             |
| Cycle Mode                      | Forced convection                                                                                                                                                                                                    |
| Function                        |                                                                                                                                                                                                                      |
| --Temp. Range                   | RT+10-300°C                                                                                                                                                                                                          |
| --Temp. Resolution Ratio        | 0.1°C                                                                                                                                                                                                                |
| --Temp. Motion                  | ±1°C                                                                                                                                                                                                                 |
| --Temp. Uniformity              | ±2.5%                                                                                                                                                                                                                |
| Structure                       |                                                                                                                                                                                                                      |
| --Inner Chamber                 | Mirror Stainless Steel                                                                                                                                                                                               |
| --Outer Shell                   | Cold rolling steel electrostatic spraying exterior                                                                                                                                                                   |
| --Insulation Layer              | High quality rock wool board(with CE)                                                                                                                                                                                |
| --Heater                        | Stainless steel heater                                                                                                                                                                                               |
| --Power Rating                  | 1.2kW                                                                                                                                                                                                                |
| --Exhaust Hole                  | Φ35mm top(with function of test hole)                                                                                                                                                                                |
| Controller                      |                                                                                                                                                                                                                      |
| --Temp. Control Mode            | Two temperature section PID intelligent                                                                                                                                                                              |
| --Temp. Setting Mode            | Touch button setting                                                                                                                                                                                                 |
| --Temp. Display Mode            | Measuring temperature display on upper LCD screen, setting temperature display on the lower row                                                                                                                      |
| --Timer                         | 0-9999min(with timing wait function)                                                                                                                                                                                 |
| --Operation Function            | Fixed temperature operation, timing function, auto stop.                                                                                                                                                             |
| --Additional Function           | High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory |
| --Sensor                        | PT100                                                                                                                                                                                                                |
| --Safety Device                 | Digital Independent Temp. limiter, Over temperature sound-light alarm.                                                                                                                                               |
| Specification                   |                                                                                                                                                                                                                      |
| --Inner Chamber size(W*L*H)(mm) | 350*350*350                                                                                                                                                                                                          |
| --Exterior Size (W*L*H)(mm)     | 490*540*730                                                                                                                                                                                                          |
| --Packing Size (W*L*H)(mm)      | 580*615*895                                                                                                                                                                                                          |
| --Volume                        | 45L                                                                                                                                                                                                                  |

|                          |                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------|
| --Max. Shelf Number      | 6                                                                                                                            |
| --Load Per rack          | 15kg                                                                                                                         |
| --Shelf Space            | 40mm                                                                                                                         |
| --Power Rating (50/60HZ) | AC220V/5.5A                                                                                                                  |
| --NW/GW (kg)             | 37/43                                                                                                                        |
| Accessory                |                                                                                                                              |
| --Shelf                  | 2                                                                                                                            |
| --Shelf Frame            | 4                                                                                                                            |
| Optional accessories     | Spare shelf, RS485 interface, printer, Program controller, U-disk storage;3.5-inch color touch screen temperature controller |
| Alt Name                 | Forced Air Drying Oven                                                                                                       |



## APPLICATIONS

Used for drying, baking, wax, heat treatment.



**Biolab Scientific Ltd.**

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)