

# Digital dryer

MODEL: IBO-35



Ver:1.2

---

## I .Summary

It is widely used in the field of biochemistry, chemical pharmaceutical, medical company, mining industrial enterprises, universities, scientific research as dry, baking, melt wax, disinfection and sterilization.

## II .Features

1. The housing is made of high quality cold-rolled plate production, surface electrostatic spraying treatment, nice shape.
2. The chamber use stainless steel or high quality galvanized sheet as per user requirement.
3. There is observation windows in door, double glazing, observe the chamber situation any time, with ultra-fine glass fiber in insulation layer.
4. In order to ensure the tightness of the door with the chamber, adopt high temperature silicone door seal, improve the product insulation greatly, save electricity consumption.
5. There are time proportion adjustment thermostat and platinum sensor, as the temperature measurement and control system, small measurement error, precise temperature control and stability.

## III. Technical parameter

Working size: 350×350×350mm

Dimension: 680×480×500mm

Voltage: 220V

Power: 1.6 KW

Working temperature: room +10℃-250℃

## IV. Meter features:

TH350 adopt XMT-6000 series intelligent temperature controller to stable control temperature, which using a professional microprocessor multifunction regulating instrument, with developed design and production technology, thus the instrument is compact and reliable performance. Unique self-tuning function and intelligent control function, bring best result with simple operation to the operator. Its main parameters as below:

- ①Input: Various Thermocouple (TC), Thermal resistance (RTD)
- ②Accuracy: Test accuracy:  $\pm 1\%FS$   
Cold junction compensation error:  $\pm 2^{\circ}C$  (within  $0\sim 50^{\circ}C$ )
- ③Display: measurement value PV range: room temperature $\sim 400^{\circ}C$
- ④Control modes: 1. Bit control (optional timing function or alarms)  
2. PID control (optional timing function or alarms)

---

⑤Temperature range: Set value (SV): room temperature+5℃~300℃

⑥Other: power AC 220V (±15%) 50/60Hz

## V. Work environment conditions:

1. Temperature: 5℃~40℃
2. Relative humidity: ≤85%
3. Power: 220±20V, 50±0.5Hz
4. Strong vibration and corrosive gases.

## VI. Installation requirement:

1. Put the dryer indoor with good ventilation and no vibration
2. Put the dryer horizontally, and keep at least 10cm distance of the back of machine and wall.
3. Avoid placing inflammable and explosive materials.
4. Ensure sufficient power and reliable grounding.

## VII. User manual

1. Open the door, put the goods on the box steel mesh shelf. Please notice that keep distance between goods. Then close the door.
2. Connect with the requirement power, keep the power outlet grounding.
3. Turn on the switch, display show the working temperature, press “△”“▽” to set the temperature.



Panel description	Content
PV	Measurement value
SV	Set value
ON	Output on alarm light
OFF	Output off alarm light
▲	Set value add
▼	Set value reduce

4. After dry, turn off the power switch, the goods cool to a certain temperature (best room temperature), open the box door, remove the goods carefully, avoid scalded.

### VIII. Notice

1. Notice the dryer enclosure must be effectively grounded to ensure safe used.
2. There is no explosion proof devices, prohibit drying flammable items.

### IX. Maintenance

1. Dryer should be kept clean, door glass wiped with a soft cotton cloth, avoid wiped with chemical solvents contain corrosive.
2. If dryer is not used for long time, please take off the power, put dust cover.
3. When operate it according to the user manual, there is failure, please resolve it according to the below measures, if it still exist, please call our service department, we will be happy to serve you.

Failure phenomenon	Reason	Resolve
No power	Unplugged or short-term	Replace plug and in line
	Blown fuses	Replace fuses
Interior temperature no rise	Set temperature low	Adjust setting temperature
	Heating tube broken	Replace heating tube
	Temperature controller meter broken	Replace temperature controller meter
Recycle motor no work	Motor line barrier	Check motor line
	Motor broken	Replace recycle motor
Big difference between set temperature and measured temperature	Temperature sensor broken	Replace temperature sensor
Display appears bounce or still	Temperature sensor broken	Replace temperature sensor
	Meter broken	Meter broken