

# Dual Purpose (Oven/Incubator)

DOI-30Z DOI-50Z DOI-70Z DOI-140Z DOI-240Z



- Capacity: 30L, 50L, 70L, 140L, 240L
- Temperature range: Oven: 80-200℃; Incubator: RT+5-80℃
- Test hole: Optional  $\phi$  25,50,80mm
- Safety device: Leakage protector/Over-temperature alarm

## Description

- It can be used as an incubator for industrial and mining enterprises, laboratories, scientific research units, etc. to cultivate viruses and bacteria; it can also be used as a drying oven for drying, baking, melting wax, and sterilization.

## Features

### Energy-saving

- The sealing ring of incubator adopts a new type of synthetic silicone sealing strip, which effectively prevents heat loss.
- Automatically adjust the control parameters according to the ambient temperature and load to achieve the optimal heating method and reduce energy consumption.

### Intelligent LCD control

- Large-screen LCD display, real-time parameter display, simple and convenient operation.
- Menu-type operation interface, simple and convenient operation, can quickly set temperature and time parameters.
- Running function: fixed value running, timing running, the screen displays "END" when the running time is completed, accompanied by a buzzer reminder.

### Internal circulation system

- Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.
- The circulation system adopts the back suction and the air circulation on both sides mode.
- The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.

### Dedicated sheet metal processing

- The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.
- The inner tank is made of high-quality brushed stainless steel, with strong corrosion resistance.
- Built in observation window to make the objects in the chamber clear at a glance.
- The anti-scalding design of the door handle makes it easy to open and close the door.

## Safety

- Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.
- The insulation material is made of high-quality aluminum silicate silk cotton, and the insulation layer of the box is thickened.
- With limited temperature control sound and light alarm system.
- Self-diagnosis function: display fault information, which is convenient for judging the fault point.

## Specification

Model	DOI-30Z	DOI-50Z	DOI-70Z	
Capacity(L)	30	50	70	
Circulation	Forced air convection			
Dimension (W*D*H)	Internal (mm)	340*325*290	420*350*350	400*375*470
	External (mm)	630*600*800	770*640*650	650*640*1030
Temperature	Range (°C)	Oven: 80-200    Incubator: RT+5-80		
	Fluctuation (°C)	±0.5		
	Resolution(°C)	0.1		
	Uniformity(°C)	25%		
	Sensor	PT100		
Controller	PID			
Display	LCD			
Timer(min)	1-9999			
Material	Internal	Stainless steel		
	External	Electro-galvanized steel with antimicrobial powder coating		
Shelves	2			
Test Hole (mm)	Optional φ25,50,80			
Safety Device	Leakage protector/Over- temperature alarm			
Electricity	Voltage/Frequency(V/Hz)	220/50		
	Consumption (W)	550	850	1100
N.W./G.W. (kg)	40/43	42/45	55/60	
Shipping Dimension (W*D*H) (mm)	620*630*830	810*640*600	670*660*1040	
Optional	1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)			

Model	DOI-140Z	DOI-240Z	
Capacity(L)	140	240	
Circulation	Forced air convection		
Dimension (W*D*H)	Internal (mm)	450*557*520	500*615*720
	External (mm)	880*720*1070	740*970*1240
Temperature	Range (°C)	Oven: 80-200    Incubator: RT+5-80	
	Fluctuation (°C)	±0.5	
	Resolution(°C)	0.1	
	Uniformity(°C)	25%	
	Sensor	PT100	
Controller	PID		
Display	LCD		
Timer(min)	1-9999		
Material	Internal	Stainless steel	
	External	Electro-galvanized steel with antimicrobial powder coating	
Shelves	2		
Test Hole (mm)	Optional φ25,50,80		
Safety Device	Leakage protector/Over- temperature alarm		
Electricity	Voltage/Frequency(V/Hz)	220/50	
	Consumption (W)	1500	2050
N.W./G.W. (kg)	70/90	85/115	
Shipping Dimension (W*D*H) (mm)	730*860*1080	780*920*1270	
Optional	1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)		