

Vacuum Ovens | Economical, Table Type

ADP210C/310C

Automatic
Overheating
PreventerOverheating
PreventerSelf-diagnostic
FunctionKey Lock
FunctionPower Failure
Compensation
FunctionOvercurrent
Leakage Circuit
BreakerCE
Certification

Operating temp. range 40~240°C

Operating vacuum range 101~0.1KPa

Internal capacity 10L 27L

Vacuum drying oven with enhanced and cost-effectiveness features.

Features

- The door sealing strip is made of silicone in one piece, ensuring sealing performance. Easy operation allows for fixed temp. operation, program operation, rapid auto stop, auto stop, and auto start.
- Digital settings can be achieved through a dedicated operation function menu key and ▼▲ keys. Able to set overheating protection, deviation correction, and key lock.

Safety

- Equipped with self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating prevention, SSR short-circuit protection), overheating prevention, overcurrent leakage protection, key lock safety and other safety functions.
- For safety, a protective panel made of resin is installed on the viewing window.



Specifications

Model		ADP210C	ADP310C
System		Pressure reduction · wall heating	
Performance	Operating temp. range	40~240°C	
	Operating pressure range	101~0.1KPa (760~1Torr)	
	Max. temp. reaching time	Approx. 70 min	Approx. 100 min
	Temp. fluctuation (GB standard)	±0.5°C (at 200°C)	
	Temp. adjusting accuracy (JTM standard)	±1.5°C (at 200°C)	
Composition	Interior material	Stainless steel plate	
	Exterior material	Cold rolled steel plate with chemical proofing coating	
	Insulating material	Glass fiber	
	Heating method	Heating on the external wall	
	Heating power	0.68KW	1.05KW
	Viewing window	Tempered glass + safety protection resin panel	
	Vacuum gauge	Pointer type, -100~0 KPa	
Controllers	Temp. control method	PID control	
	Temp. setting method	Digital setting via function menu key and ▲ ▼ keys	
	Temp. display method	Achieved temp. display: Green 4-digit LED digital display	
		Setting temp. display: Red 4-digit LED digital display	
	Timer	1 min~99 h 59 min and 100~999 h 50 min (including timer waiting function)	
	Operation functions	Fixed temp. operation, auto start, quick auto stop, program operation	
	Additional functions	Deviation correction, key lock, power failure compensation	
	Heater circuit control	SSR drive	
Sensors	Temperature controller: Pt100 thermistor; overheating protection: liquid expansion temperature controller		
Safety device		Self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating preventer, SSR short-circuit), overheating preventer, overcurrent leakage protection, key lock functions	
Specifications	Internal dimensions	200×250×200	300×300×300
	External dimensions (W×D×H mm)	400×412×603	500×465×705
	Internal capacity	10L	27L
	Shelf layers	2 layers (fixed)	3 layers (fixed)
	Shelf spacing	65mm	75mm
	Exhaust vent	External diameter 18mm	
	Air intake	External diameter 18mm	
	Power supply (50/60Hz) rated current	AC220V 3.5A	AC220V 5A
	Weight	Approx. 30kg	Approx. 55kg
	Accessories	Aluminum stamped mesh plate, 2 pieces	Aluminum stamped mesh plate, 3 pieces
Options	Stand (ONS10C), shelves, vacuum pump, micro printer, data logger, centralized monitoring software		

1 Sterilizers

2 Granulation
and Spray
Dryers3 Muffle
Furnaces

4 Ovens

5 Incubators

6 Plasma
Equipment7 Water
Purifiers

8 Baths

9 Water
Circulators10 Rotary
Evaporators11 Freeze Dryers
& Cold Traps12 Stirrers &
Shakers

13 Washers

14 Analysis and
Test Devices

15 Options