

High Temp. Ovens | High Temp., 700°C

DR210C

Natural
ConvectionAutomatic
Overheating
PreventerOverheating
PreventerSelf-diagnostic
FunctionKey Lock
FunctionPower Failure
Compensation
FunctionOvercurrent
Leakage Circuit
Breaker

Operating temp. range 300~700°C

Temp. distribution accuracy $\pm 25^{\circ}\text{C}$ (at 700°C)

Internal capacity 13.8L

High-temperature drying oven that combines electric furnace, constant temperature chamber, and drying chamber.

Features

- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Digital setting through special function menu keys and $\blacktriangle/\blacktriangledown$ keys. 6 modes with a total of 90 segments program controller.
- Overheating protection, deviation correction and key locking through submenu keys.

Safety

- Equipped with self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating preventer, SSR short-circuit protection), overheating preventer, overcurrent leakage protection, key lock and other safety functions.



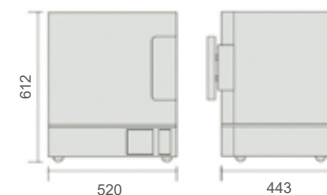
Specifications

Model		DR210C	
System		Natural convection	
Performance	Operating temp. range	300~700°C	
	GB standard	Temp. fluctuation	$\pm 2^{\circ}\text{C}$ (at 700°C)
		Temp. uniformity	$\pm 5\%$ (at 700°C)
	JTM standard	Temp. adjusting accuracy	$\pm 5^{\circ}\text{C}$ (at 700°C)
		Temp. distribution accuracy	$\pm 25^{\circ}\text{C}$ (at 700°C)
Max. temp. reaching time	Approx. 70 min (room temperature~700°C)		
Composition	Interior material	Stainless steel plate	
	Exterior material	Cold rolled steel plate with chemical proofing coating	
	Insulating material	Aluminosilicate cotton	
	Heater	Iron-chromium alloy heating wire 1.3kW	
Controllers	Temp. control method	The heater output is controlled using a microcomputer PID controller	
	Temp. setting method	Digital setting through special function menu keys and $\blacktriangle/\blacktriangledown$ 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, auto stop, program operation	
	Program mode	Programmable controller with 3 modes (30 segments \times 1, 15 segments \times 2, 10 segments \times 3)	
Additional functions	Deviation correction, key lock, power failure compensation		
Sensors	K thermocouple (temp. controller and overheating protector)		
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 (W \times D \times H mm)	250 \times 250 \times 220	
	External dimensions (W \times D \times H mm)	520 \times 443 \times 612	
	Internal capacity	13.8L	
	Shelf load	15kg/layer	
	Shelf layers	3 layers	
	Support spacing	33mm	
	Power supply (50/60Hz) rated current	AC220V 6A	
	Weight	Approx. 36kg	
Accessories	Shelf	Stainless punching mesh plate 2 pcs	
	Supports	Integrated structure with the inner box (33mm spacing)	
Options	Stand	ON61C	
	Others	Shelves, micro printer, data logger, combined warning light (standby/running/fault), external communication function (RS485), temperature output terminal (4~20mA), external alarm output terminal, time-up output terminal, centralized monitoring software	

Control panel



Dimension diagram (mm)



1 Sterilizers

2 Granulation
and Spray
Dryers

3 Furnaces

4 Ovens

5 Incubators

6 Plasma
Equipment7 Water
Purifiers

8 Baths

9 Water
Circulators10 Rotary
Evaporators11 Stirrers &
Shakers

12 Options