

High Temp. Ovens | High Temp., 700°C

DR210C

- Natural Convection
- Automatic Overheating Preventer
- Overheating Preventer
- Self-diagnostic Function
- Key Lock Function
- Power Failure Compensation Function
- Overcurrent Leakage Circuit Breaker

Operating temp. range 300~700°C Temp. distribution accuracy ±25°C (at 700°C) Internal capacity 13.75L

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 up/down 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.



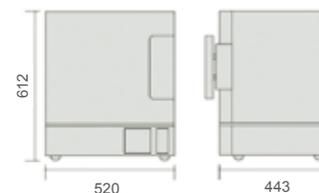
Specifications

Model		DR210C	
System		Natural convection	
Performance	Operating temp. range	300~700°C	
	GB standard	Temp. fluctuation	±2°C (at 700°C)
		Temp. uniformity	±5% (at 700°C)
	JTM standard	Temp. adjusting accuracy	±2°C (at 700°C)
Temp. distribution accuracy		±25°C (at 700°C)	
Max. temp. reaching time		Approx. 70 min (from room temperature + 5 to 700°C)	
Composition	Interior material	Stainless steel plate	
	Exterior material	Cold rolled steel plate with chemical proofing coating	
	Insulating material	Ceramic fiber	
	Heater	Iron-chromium alloy heating wire 1.3KW	
Controllers	Temp. control method	3-stage PID	
	Temp. setting method	Digital setting through special function menu keys and up/down 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, auto stop, program operation	
	Program mode	Program operation 6 modes with a total of 90 segments (30 segments×1, 15 segments×2, 10 segments×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×D×H mm)	250×250×220	
	External dimensions (W×D×H mm)	520×443×612	
	Internal capacity	13.75L	
	Shelf load	15kg/layer	
	Shelf layers	3 layers	
	Support spacing	33mm	
	Power supply (50/60Hz) rated current	AC220V 7A	
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)



- Sterilizers 1
- Granulation and Spray Dryers 2
- Muffle Furnaces 3
- Ovens 4
- Incubators 5
- Plasma Equipment 6
- Water Purifiers 7
- Baths 8
- Water Circulators 9
- Rotary Evaporators 10
- Freeze Dryers & Cold Traps 11
- Stirrers & Shakers 12
- Washers 13
- Analysis and Test Devices 14
- Options 15