

## Forced Convection Ovens | Programmable, Touch Screen

## DKT410C/610C/810C

Operating temp. range RT+10~300°C

Temp. uniformity ±4.5°C (at 300°C)

Internal capacity 90L 150L 300L

Pioneer in standard high-end constant temperature ovens with multiple functions, including program operation.

### Features

- 7-inch touch screen for easy operation with three operation modes, including fixed temp. operation, program operation, timing operation. Standard 3-level authorization login.
- 100 programs, each program maximum 30 segments. Standard data storage function, data storage capacity approximately 10 years. Temperature rise curve tracking function, program operation mode, able to visually display set temperature and achieved temperature, providing reference for users to set reasonable temperature rise curve.
- Automatically stop heating and fan rotation upon opening the door, ensuring the safety of user samples.

### Safety

- Self-diagnostic circuit (temperature sensor error detection, heater disconnection protection, automatic overheating prevention, SSR short-circuit protection), independent overheating prevention, overcurrent leakage protection and three-level authorization management system, heating and fan stops operating when door opens.



### Specifications

Model	DKT410C	DKT610C	DKT810C	
System	Forced convection			
Performance	Operating temp. range	Room temp. +10~300°C		
	GB standard	Temp. fluctuation	±0.5°C (at 300°C)	
		Temp. uniformity	±1.5% (at 300°C)	
	Max. temp. reaching time	≤120min		
Composition	Interior material	Stainless steel plate		
	Exterior material	Cold rolled steel plate with chemical proofing coating		
	Insulating material	Rock wool+centrifugal glass wool		
	Heater	Stainless steel heating pipe		
		1.6KW	1.3KW × 2	1.8KW × 2
	Fan blade/motor	Centrifugal fan blade, 30W motor×1		
	Cable port	I.D. 34mm×1, located on the right		
	Exhaust vent	I.D. 34 mm×2, located at the back		
Observation window	None			
Controllers	Temp. control method	3-stage PID		
	Temp. setting method	7-inch color touch screen		
	Temp. display method	7-inch color touch screen		
	Timer	1 min~99 h 59 min		
	Operation functions	Fixed temp. operation, program operation, timing operation		
	Program mode	100 programs, each program has a maximum of 30 segments		
Additional functions	Temperature curve, temperature history curve, alarm records, alarm history records, operation log, data export function, language switching (Chinese, Japanese, English), calibration function, power failure compensation function, screen brightness adjustment, three-level authorization function			
Sensors	Temperature controller: K-type thermocouple, overheat protection: Liquid expansion temperature controller			
Safety device	Self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating preventer, SSR short-circuit), independent overheating preventer, overcurrent leakage protection, and heating and fan stops operating when door opens			
Specifications	Internal dimensions (W×D×H mm)	450×450×450	600×500×500	600×500×1000
	External dimensions (W×D×H mm)	610×690×960	760×740×1010	760×740×1780
	Internal capacity	90L	150L	300L
	Shelf load	30kg/layer		
	Shelf layers	11 layers	13 layers	29 layers
	Support spacing	30mm		
	Power supply (50Hz) rated current	AC220V, 7.5A	AC220V, 12A	AC220V, 16.5A
	Weight	Approx. 80kg	Approx. 100kg	Approx. 140kg
Accessories	Shelf	Stainless steel wire shelf		
	Supports	2 pcs	4 pcs	8 pcs
Options	Stand	ONK60C		
	Stacking fittings	ODK40C	—	
	Others	Shelf (1 shelf with 2 supports) cable port (30/50mm), micro printer, data logger, combination warning light (standby/running/fault), remote monitoring (network port), temperature output terminal (4~20mA), external alarm output terminal, time-up output terminal		

1 Sterilizers

2 Granulation and Spray Dryers

3 Muffle Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Freeze Dryers &amp; Cold Traps

12 Stirrers &amp; Shakers

13 Washers

14 Analysis and Test Devices

15 Options

Forced Convection

Automatic Overheating Preventer

Independent Overheating Preventer

Self-diagnostic Function

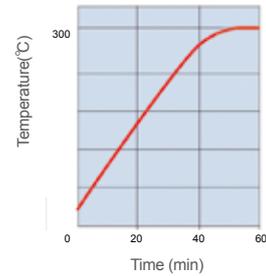
Key Lock Function

Power Failure Compensation Function

Overcurrent Leakage Circuit Breaker



Temperature rise curve



Control panel



Internal chamber



Shelf (Support)



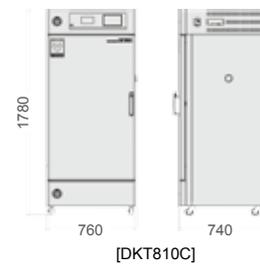
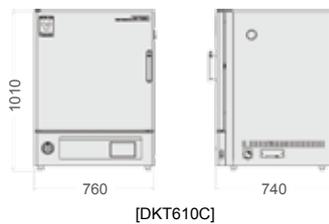
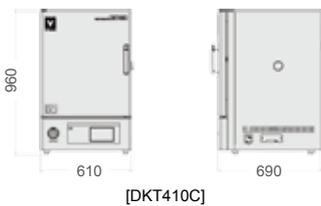
Cable port (standard configuration)



Exhaust vent (standard configuration)



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
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