

Advanced Thermal Cyclers TCP-5100



Description

The Denver Advanced Thermal Cyclers TCP-5100 is designed with nonlinear gradient. Suitable for the denaturation, enzymes cutting, enzymes link and ELISA assay applications. Offer high heating and cooling rate with the Peltier design unit. Equipped with 11 standard programs for fast editing in particular programs.

Suitable for the denaturation, enzymes cutting, enzymes link and ELISA assay applications. Offer high heating and cooling rate with a ramping rate up to 7°C/sec. Equipped with 11 standard programs for fast editing in particular programs.

Features with Peltier design, large LCD touch display, reaction blocks, air ventilation, hot lid plate, cooling fins and handle.

Accommodates wells including 96x0.2 ml, with the availability of tubes: 0.2 ml tube, 8 strips, 96 wells plate and this block are completely independently of each other and without interference.

Specifications:

Product Type ITCP-5100 Temperature Range (?) 4 to 105°C Ramp Rate 0.1 to 5°C Selectable Heated Lid Temperature 30 to 115°C Plate type 0.2 ml tube, 8 strips, 96 wells plate Temperature Uniformity $\pm 0.2^{\circ}\text{C}$ Temp Accuracy $\pm 0.1^{\circ}\text{C}$ Sample Capacity (0.2ml) 96x0.2 ml Temperature Gradient 30 to 105°C Maximum number of programs stored 20000+ USB FLASH Type Nonlinear Gradient Power (W) 600 W Dimensions L x W x H (mm) 385x270x255 mm Net Weight (kg) 10 kg Electrical Requirements 100V/50Hz Catalogue No. 620400501

Technical:

Model	TCP-5100	TCP-5200	TCP-5300
Capacity	96x0.2 ml	6x16x0.2 ml	96x0.2 ml
Display	10.1-inch LCD		
Temperature Range	4 to 105°C		
Number of Program	20000+ USB FLASH		
Uniformity	$\pm 0.2^{\circ}\text{C}$		
Accuracy	$\pm 0.1^{\circ}\text{C}$		
Tube	0.2 ml tube, 8 strips, 96 wells plate		
Display Resolution	0.1°C		
Number of Cycle	100		
Number of Step	30		
Holding Temperature	4°C		
Temperature Control	Block/Tube		
Ramping Rate Adjustable	0.1 to 5°C	0.1 to 6°C	0.1 to 7°C
Gradient Temperature Range	30 to 105°C		
Gradient Type	Nonlinear Gradient	Dynamics Gradient	2D Gradient
Gradient Spread	1 to 42°C	0.1 to 5°C	Portrait: 1 to 30°C, Landscape: 1 to 24°C
Hot Lid Temperature	30 to 115°C		

Connectivity	USB2.0, WIFI					
Increase/Decrease in Temperature	0.1 to 10°C					
Increase/Decrease in Time	1 to 600 seconds					
Power consumption	600 W		600 W		1000 W	
Dimension	385x270x255 mm					
Weight	10 kg		10 kg		11 kg	
Electrical Requirements	100V/50Hz;	240V/60Hz	100V/50Hz;	240V/60Hz	100V/50Hz;	240V/60Hz
Catalogue No.	620400501	620400502	620401001	620401002	620401501	620401502
Model	TCP-5100		TCP-5200		TCP-5300	
Capacity	96x0.2 ml		6x16x0.2 ml		96x0.2 ml	
Display	10.1-inch LCD					
Temperature Range	4 to 105°C					
Number of Program	20000+ USB FLASH					
Uniformity	±0.2°C					
Accuracy	±0.1°C					
Tube	0.2 ml tube, 8 strips, 96 wells plate					
Display Resolution	0.1°C					
Number of Cycle	100					
Number of Step	30					
Holding Temperature	4°C					
Temperature Control	Block/Tube					
Ramping Rate Adjustable	0.1 to 5°C		0.1 to 6°C		0.1 to 7°C	
Gradient Temperature Range	30 to 105°C					
Gradient Type	Nonlinear Gradient		Dynamics Gradient		2D Gradient	
Gradient Spread	1 to 42°C		0.1 to 5°C		Portrait: 1 to 30°C, Landscape: 1 to 24°C	
Hot Lid Temperature	30 to 115°C					
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Increase/Decrease in Temperature	0.1 to 10°C					
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Catalogue No.	620400501	620400502	620401001	620401002	620401501	620401502

Shipping:	Delivery 1 week
number_of_cycle:	100
gradient_temp_range:	30 to 105C
power:	600 W
resolution:	0.1?
temperature_range:	4 to 105C
capacity:	960.2 ml
model:	TCP-5100

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