Advanced Thermal Cyclers ITCP-5100(240/60Hz)



The Iris Advanced Thermal Cyclers ITCP-5100 is designed with 3 different gradient system including nonlinear gradient, dynamics gradient, and 2D 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 4 different wells including 96×0.2 ml, 6×16×0.2 ml, and 96×0.2 ml well plates 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. Available in 3 different gradient types: Nonlinear Gradient, Dynamics Gradient, and 2D Gradient.

Technical Specification:

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	≤±0.2°C
Temp Accuracy	≤±0.1°C
Sample Capacity (0.2ml)	96×0.2 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)	385×270×255 mm
Net Weight (kg)	10 kg
Electrical Requirements	240V/60Hz
Catalogue No.	620400502

Technical Data:

Model	ITCP-5100		ITCP-5200		ITCP-5300	
Capacity	96×0.2 ml		6×16×0.2 ml		96×0.2 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					
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	385×270×255 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



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