qLab Thermal Cyclers ITCL-1100



qLab Thermal Cyclers ITCL-1100 designed with a 96-well block, with the availability of a gradient function. The most popular block dual 96/96 well block is capable of holding up to 96×0.2 ml tubes on either side along with 77×0.5 ml, 60×0.5 ml and 384 well, with each side acting as its own independent thermal cycler, with a programmable thermal gradient for optimizing annealing or denaturing temperatures. The combination of excellent technical data and an attractive price makes it the right choice for many research and routine laboratories.

qLab Thermal Cyclers ITCL-1100 accommodates 96×0.2 ml, and this block are completely independently of each other and without interference. Fabricated with anodizing technology that has prompt heating conducting and adequate corrosion resistance property.

Technical Specification:

Model	ITCL-1100
Temperature Range (℃)	0 to 100℃
Temperature Uniformity (°C)	≤ ± 0.2℃
Selectable Heated Lid Temperature	30 to 110℃
Temp Accuracy	≤ ± 0.1℃
Average Ramp Rate	0.1 to 4.5℃
Sample Capacity (0.2ml)	96×0.2 ml
Maximum number of programs stored	10000 +(USB FLASH)
Adjustible Heated Lid Temperature	Step less Adjustable
Power (W)	600 W
Dimensions L x W x H (mm)	390×270×255 mm
Net Weight (kg)	8.5 kg
Electrical Requirements	AC 85 to 264 V/47, 63 Hz
Catalogue No.	620050503

Technical Data:

Model	ITCL-1100	ITCL-1200	ITCL-1300	ITCL-1400
Capacity	96×0.2 ml	96×0.2 ml +77×0.5 ml	60×0.5 ml	384 well
Display	LCD, 8 inch, 800×600 pixels,			
Temperature Range	0 to 100?			
Number of Program	10000 +(USB FLASH)			
Uniformity	? ± 0.2?			
Accuracy	? ± 0.1?			
Resolution	0.1?			
Number of Cycle	100			
Number of Step	30			
Holding Temperature	4?			
Temperature Control	BlockTube			
Heating Rate	4.5?/s			
Cooling Rate	4?/s			
Ramping Rate Adjustable	0.1 to 4.5?			
Gradient Temp. Range	30 to 100?			
Gradient Uniformity	?±0.2?			
Gradient Accuracy	?±0.2?			
Gradient Spread	1 to 30?			
Hot Lid Height Adjustable	Step less Adjustable			
Hot Lid Temperature	30 to 110?			
Connectivity	USB 2.0, LAN			
Temp Increment/Decrement	0.1 to 10.0?			
Increase/Decrease in Time	1 Sec to 600 Sec			
Power consumption	600 W			
Overall Dimensions	390×270×255 mm			
Net Weight	8.5 kg			
Shipping Dimensions	-			
Shipping Weight	-			
Electrical Requirements	AC 85 to 264 V/47, 63 Hz			
Catalogue No.	620050503	620051003	620051503	620052003



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