

Dual Block Thermal Cyclers

ITCM-4005D



Dual Block Thermal Cyclers ITCM-4005D has been used in PCR applications in research and development, food science, pharmaceuticals, life science, animal diagnostics, and analytical laboratories. Features with customized Marlow Peltier heating units and form 4 circuits to control 4 temperature zones with vibrant touch LCD display and maximum ramping rate 5 °C/s.

Dual Block Thermal Cyclers ITCM-4005D accommodates 96x0.2 ml, this block is completely independently of each other and without interference Fabricated with anodizing technology that have prompt heating conducting and adequate corrosion resistance property.

Technical Specification:

Model	ITCM-4005D
Temperature Range (°C)	0 to 100°C
Ramp Rate	0.1 to 5°C
Selectable Heated Lid Temperature	30 to 110°C
Sample Capacity (0.2ml)	96x0.2 ml
Maximum number of programs stored	10000 +(USB FLASH)
Adjustable Heated Lid Temperature	Step less Adjustable
Power (W)	600 W
Dimensions L x W x H (mm)	390x270x255 mm
Net Weight (kg)	9 kg
Electrical Requirements	264 V AC , 47 to 63 Hz
Catalogue No.	620300503

Technical Data:

Model	ITCM-4005D	ITCM-4010D	ITCM-4015D	ITCM-4020D	ITCM-4025D	ITCM-4030D	ITCM-4035D	ITCM-4040D	ITCM-4045D	ITCM-4050D
Capacity	96x0.2 ml			60x0.5 ml		2x48x0.2 ml	48x0.2 ml + 30x0.5 ml		384 well, In-situ Plate	
Display	LCD, 8 inch, 800x600 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	5?/s									
Cooling Rate	4?/s									
Ramping Rate Adjustable	0.1 to 5?									
Gradient Temp. Range	-	30 to 100?	-	30 to 100?	-	30 to 100?	-	30 to 100?	-	30 to 100?
Gradient Uniformity	-	?±0.2?	-	?±0.2?	-	?±0.2?	-	?±0.2?	-	?±0.2?
Gradient Accuracy	-	?±0.2?	-	?±0.2?	-	?±0.2?	-	?±0.2?	-	?±0.2?
Gradient Spread	-	1 to 30?	-	1 to 30?	-	1 to 30?	-	1 to 30?	-	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	390x270x255 mm									
Net Weight	9 kg									
Electrical Requirements	264 V AC , 47 to 63 Hz									
Catalogue No.	620300503	620301003	620301503	620302003	620302503	620303003	620303503	620304003	620304503	620305003



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