

# Dual Block Thermal Cyclers TCM-4040D



## Description

Dual Block Thermal Cyclers TCM-4040D 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 °/s.

Dual Block Thermal Cyclers TCM-4040D accommodates 48x0.2 ml + 30x0.5 ml, and In-situ plate, this block is completely independently of each other and without interference Fabricated with anodizing technology that have prompts heating conducting and adequate corrosion resistance property.

## Technical:

Model	TCM-4005D	TCM-4010D	TCM-4015D	TCM-4020D	TCM-4025D	TCM-4030D	TCM-4035D	TCM-4040D	TCM-4045D	TCM-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									
Holdin g Temperature	4°									
Temperature Control	Block\Tube									
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 Dimension	390x270x255 mm									

ensions												
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
Model	TCM-4005D	TCM-4010D	TCM-4015D	TCM-4020D	TCM-4025D	TCM-4030D	TCM-4035D	TCM-4040D	TCM-4045D	TCM-4050D	TCM-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 Programs	10000 +(USB FLASH)											
Uniformity	? ± 0.2?											
Accuracy	? ± 0.1?											
Resolution	0.1?											
Number of Cycle	100											
Number of Step	30											
Holdin g Temperature	4?											
Temperature Control	Block\Tube											
Heatin	5?/s											

g Rate										
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?
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Dimensions											
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<b>Shipping:</b>	2 - 3 weeks Delivery.
<b>number_of_cycle:</b>	100
<b>gradient_temp_range:</b>	30 to 100?
<b>power:</b>	-
<b>resolution:</b>	? 0.1?
<b>temperature_range:</b>	0 to 100?
<b>capacity:</b>	480.2 ml + 300.5 ml
<b>model:</b>	TCM-4040D

## **Iris Analytical Ltd.**

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