

Dual Block Thermal Cyclers TCM-4030D



Description

Dual Block Thermal Cyclers TCM-4030D 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-4030D accommodates 2x48x0.2 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 | | | | | | | | | |
| Holding Temperature | 4° | | | | | | | | | |
| Temperature Control | Block\Tube | | | | | | | | | |
| Heating Rate | 5°/s | | | | | | | | | |

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|---------------------------|----------------------|------------|---|------------|---|------------|---|------------|---|------------|
| 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 | | | | | | | | | |

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|-------------------------|-----------------------------|-----------|-----------|-----------|-----------|-------------|-----------|-----------------------|-----------|-------------------------|-----------|-----------|
| 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 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 | | | | | | | | | | | |
| Heatin | 5?/s | | | | | | | | | | | |

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|---------------------------|----------------------|------------|---|------------|---|------------|---|------------|---|------------|
| 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? |
| 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 | 390x270x255 mm | | | | | | | | | |

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| Dimensions | | | | | | | | | | | |
| Net Weight | 9 kg | | | | | | | | | | |
| Electrical Requirements | 264 V AC , 47 to 63 Hz | | | | | | | | | | |
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|-----------------------------|-----------------------|
| Shipping: | 2 - 3 weeks Delivery. |
| number_of_cycle: | 100 |
| gradient_temp_range: | 30 to 100? |
| power: | - |
| resolution: | ? 0.1? |
| temperature_range: | 0 to 100? |
| capacity: | 2480.2 ml |
| model: | TCM-4030D |

Iris Analytical Ltd.

66 W Flagler St #900
Miami, Florida 33130
United States