

Molecular Biology

Programmable Thermal Cyclers Prime Series



High performance thermal cyclers designed for laboratories requiring a large sample throughput. A fully interchangeable block system allows exchange without needing tools and offers enhanced versatility. A large, 5.7" VGA colour touchscreen with intuitive software programming and graphical display ensures user-friendly control and operation. Up to 1000 x 3-segment programmes can be stored with incremental/decremental timing and temperature elements. 8 Peltier modules per block provide rapid heating and cooling over the range +4°C to +100°C, with block uniformity $\leq \pm 0.3^\circ\text{C}$ at 55°C. A heated lid is provided with adjustable sealing pressure to accommodate a variety of consumables and a USB port allows networking with other cyclers or data transfer to the user's computer. Additionally, the PrimeG model allows gradient cycling with annealing temperatures optimisable over a 1 to 29°C range (1 to 19°C when using the 384-well block) and between 30°C and 80°C. For 100 to 230V 50/60Hz single phase supplies.

Model	Prime	PrimeG
Temperature range, block	°C +4 to +100 — all models	
gradient	—	+30 to +80
Block uniformity (at +55°C)	°C $\leq \pm 0.3$ — all models	
Temperature accuracy (at 55°C)	°C $\leq \pm 0.25$ — all models	
Min./Max gradient	°C —	1/29 (19 - 384-well plate block)
Maximum number of programmes [†] (3 segment)	1000 built-in — all models	
Selectable heated lid temperature [#]	°C 100 to 115 — all models	
Programme ramp rate, °C per second	up to 3.4 — all models	
Peltier elements per block	8 — all models	
Data/network interface	USB — all models	
Dimensions D x W x H	mm 420 x 240 x 240 — all models	
Weight, net	kg 9.4 — all models	

[†] The maximum number of programmes available depends on the number of segments required per programme.

[#] Heated lid will only come on if block temperature is set above 35°C.

Programmable Thermal Cyclers, Prime, Techne

Prime, non-gradient

MW630-40 Prime with 96 x 0.2ml microtubes

MW630-45 Prime with 60 x 0.5ml microtubes

MW630-50 Prime with 384-well microplates

PrimeG, gradient

MW635-35 PrimeG with 96 x 0.2ml microtubes

MW635-45 PrimeG with 60 x 0.5ml microtubes

MW635-50 PrimeG with 384-well microplates

Spares and accessories

MW637-40 Accessory block for 96 x 0.2ml microtubes

MW637-45 Accessory block for 60 x 0.5ml microtubes

MW637-50 Accessory block for 384-well microplates

MW637-60 Prime gradient upgrade. Converts Prime cyclers to Prime gradient models

Important Notice

Purchase of Techne thermal cyclers conveys a limited, non-transferable immunity from suit for the purchaser's own internal research and development and applied fields, other than in-vitro diagnostics, under non-real-time thermal cycler patents of Applied Biosystems LLC.



MW630/MW635



MW630/MW635



0808 200 5227

e-mail: sales@thelabwarehouse.com fax orders: 020 7729 2657

