

LABTRON

Touch Thermal Cycler

(BASIC)

LTCB-A1 Series



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Touch Thermal Cycler (Basic) LTCB-A1 Series

Touch Thermal Cycler (Basic) LTCB-A1 series comes with customized 8 pcs long service life Marlow (US) peltier heating units. Each thermal block has 4 independent temperature control sensors. With 5 °C/s maximum ramping rate, this cycler saves operation time of user. Its 8 inch TFT touch screen with graphical real time display. With Windows OS, PC control function, print function, large storage capacity, USB connection, this cycler meets latest experimental demands.

Features

- 8" TFT color screen for easy monitoring
 - High heating and cooling rate
 - Step less adjustable hot lid with pressure protection
 - Built in in 11 standard program file template for quick editing of files
 - Real time display to show running status of experiment
 - One-click quick incubation function to meet different experimental needs
 - Internal flash memory for 10000 typical PCR files
 - User-friendly setting for hot lid temperature and hot lid work mode
 - Auto restart after power failure
 - Easy view of actual and target temperatures in real time
 - Support USB and LAN to update software
 - Supports email alert function when experiment is over
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Applications

Widely used in PCR applications in research and development, food science, pharmaceuticals, life science, animal diagnostics and analytical laboratories.

Specifications

Model	LTCB-A10	LTCB-A11	LTCB-A12
Capacity	96 × 0.2 ml	60 × 0.5 ml	384 well
Block Temperature Range	0 to 100 °C		
Temperature Control Accuracy	≤ ± 0.1 °C		
Ramping Rate Adjustable	0.1 to 5 °C		
Temperature Uniformity	≤ ± 0.2 °C		
Heating Rate	5 °C/s		
Cooling Rate	4 °C/s		
Temperature Control Mode	Block\Tube		
Hot-lid Temperature Range	30 to 110 °C		
Hot Lid Height Adjustable	Stepless Adjustable		
Time Increment/Decrement	1sec to 9 min 59 sec		
Temperature Increment/Decrement	0.1 to 9.9 °C		
Program	10000 + (USB FLASH)		
Max No. of Steps	30		
Max No. of Cycles	99		
Pause Function	Yes		
Auto Data Protection	Yes		
Print	Yes		
LCD	8 inch TFT, 800×600 Pixels, TFT		
Communication	USB 2.0, LAN		
Power Supply	85 to 264 V AC, 47 to 63 Hz, 600 W		
Dimension (L×W×H)	380 × 240 × 260 mm		
Weight	8.5 kg		