

Thermal Cycler

GeneAtlas 482/485



Renewed and Reasonably-Priced!

The GeneAtlas 482/485 series models come in a compact body with a small footprint to save lab space. The model 482 is installed with a 0.2ml fixed sample holder block, while 485 is installed with a 0.5ml one. 482/485 offers 2 program modes: PROGRAM TEMP (user-defined) and CONSTANT TEMP (pre-programmed).

Wide, 5.5-Inch LCD

The large LCD makes it easy to create or edit programs and provides a clear view of protocol runs' progresses at a glance.



Heating Block Cover

The heating block cover is interlocked with the sample block and heats sample tubes from the above, equalizing the temperature within the block and thus enabling oil-free operations.

Storage Space Up to 75 Programs

The storage space is divided into 5 "boxes," and each box can store 15 files. Files saved in a same box can be linked with one another.

Power Failure Protection

In the event of sudden power loss, when the power is restored, the unit will either resume its run if the change in the block temperature is less than 10°C, or, if the temperature change is greater than 10°C, maintain the block temperature at 4°C to preserve the sample and display the program step at which the run was interrupted.

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Sample Holder Block



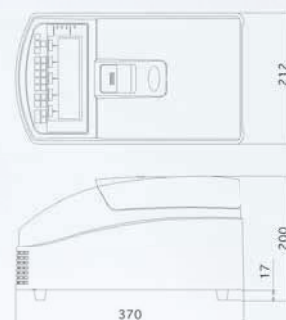
482 0.2ml×48 tubes



485 0.5ml×30 tubes



Dimensions (mm)



Specifications

Model	482	485
Control Modes	PROGRAMMED TEMP / CONSTANT TEMP	
Sample Holder Format	0.2ml×48 tubes (8×6)	0.5ml×30 tubes (5×6)
Sample Volume Setting Range	1–100µl	1–200µl
Temperature Control	PID control by microprocessor	
Heating/Cooling	Controlled by solid state modules	
Temperature Control Range	4.0°C–99.9°C (ambient @25°C)	
Temperature Accuracy	Temperature control precision ±0.1°C Well-to-well ±0.5°C or less	
Maximum Heating Rate	3.5°C/sec.	3.0°C/sec.
Maximum Cooling Rate	3.0°C/sec.	2.5°C/sec.
Temperature Ramping	0.1–9.9°C/cycle	
Time Setting Range	1 sec.–59 min. 59 sec. / HOLD / Continuous	
Time Extension Setting Range	1 sec.–59 min. 59 sec. / cycle	
Number of Cycles	Up to 99 cycles/segment	
Number of Steps	Up to 25 steps (5 steps×5 segment/file)	
CONSTANT TEMP	1. LIGATION: 16°C for 1 hr.; 2. ENZYME REACTION: 37°C for 1 hr.; 3. DENATURATION: 95°C for 1 hr. 4. COOLING: Continuous temp. control @4°C; 5. USER SETTING: User-defined program + continuous temp. control @4°C	
User Program Files	Up to 75 files (15 files×5 boxes)	
Cover Heater Control	Constant temperature / Heater OFF	
Estimated Finish Time Display	Yes	
Display	5.5-inch wide LCD	
External Dimensions	212 (W)×370 (D)×200 (H)	
Power	AC200V–AC240V, 2.5A, 50/60Hz AC100V–AC120V, 5.0A, 50/60Hz	
Weight	Approx. 7kg	



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