

PELTIER THERMAL CYCLER

RIC's Thermal Cyclers are capable of generating and maintaining specific temperatures for a defined period of time. These are designed to handle a small number of micro plates, allowing uniform temperature maintenance across all samples.

Features:

- ✍ Compact & Steady Design
- ✍ Accurate Temp. control.
- ✍ Accurate Temp. Gradient (For Gradient Models Only)
- ✍ High Data Storage Capacity



RIC-311

Specifications:

Model No.	RIC-311	RIC-312	RIC-313
Technology	Peltier -based		
In-stit Plate		Yes	
Block Capacity	48wellsX0.2ml + 48wellsX0.5ml	96wellsX0.2ml + 77wellsX0.5ml	0.2mlX25wells+ 0.5mlX16wells
Block Temperature Range	0 C 99.9 C		
Max. Block Heating Rate	3 C/sec		
Max. Block Cooling Rate	2 C/sec		
Block Uniformity	± 0.2 C		± 0.3 C
Block Accuracy	± 0.2 C		± 0.3 C
Mode of Temperature Control	Sim-Tube & Block mode		
Ramping Rate Adjustable	0.1 C – 3 C		
LCD		Large-size Blue LCD	
Max. No. of storable programs	>125		125
Max. No. Of Cycle	99		
Time Increment/Decrement	1 60sec		
Temp. Increment/Decrement	0.1 10 C		
Auto Pause	Yes		
Auto Restart	Yes		
Hold at 4 C	Forever		
Running Time Display	Yes		
File Named	Yes		
Hot Cover Temperature	105 C		
Height of Cover	Adjustable		
Hot Cover Auto Shut-Off	Yes		
Dimension(L W H)	315mmX240mmX275mm		267X220X253mm
Net Weight	8.8kg		6.5kg
Wide Power Supply Range	170 270V 50/60Hz	110V±10%,220V±25 %, 50/60Hz	110V±10%,220V± 25%, 50/60Hz



RIC-312



RIC-313

THERMAL CYCLER WITH GRADIENT

Model No.	RIC-311G	RIC-312G	RIC-312G DUAL
Technology	Peltier -based		
Block Capacity	48wells 0.2ml + 48wells 0.5ml	96wells 0.2ml + 77wells	96×0.2ml,+77×0.5ml Well Module; or Module,384 Module for option
Block Temperature Range	0 C 99.9 C		0 C ~100 C (RT 30 C)
Max. Block Heating Rate	3 C/sec		4.0 C/s
Max. Block Cooling Rate	2 C/sec		3.5 C/s
Block Uniformity	0.2 C		± 0.2 C
Block Accuracy	0.2 C		± 0.2 C
Mode of Temperature Control	Sim-Tube & Block mode		block, tube, calculated
Ramping Rate Adjustable	0.1 C – 3 C		
LCD	Large-size Blue LCD		320×240pixels LCD
Communication			RS232 and USB2.0
Max. No. of storable programs	>125		200
Max. No. Of Cycle	99		99, Max segments:9
Time Increment/Decrement	1 60sec		
Temp. Increment/Decrement	0.1 10 C		
Auto Pause	Yes		
Auto Restart	Yes		
Hold at 4 C	Forever		
Running Time Display	Yes		
File Named	Yes		
Hot Cover Temperature	105 C		30~110 C
Height of Cover	Adjustable		
Hot Cover Auto Shut-Off	Yes		
Gradient Accuracy	0.3 C		
Column Uniformity	0.3 C		
Gradient Temp. Range	30~99.9 C		30~100 C
Temp. Differential Range	1 C 30 C		
Dimension(L W H)	315mm 240mm 275mm		380mm×270mm ×250mm
Net Weight	8.8kg		7.2kg
Wide Power Supply Range	170 270V 50/60Hz		



RIC-311G



RIC-312G DUAL

RELIABLE INSTRUMENTS CO. (ISO 9001CO.)



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