WATSON-T series Triple Gradient PCR Thermal Cycler

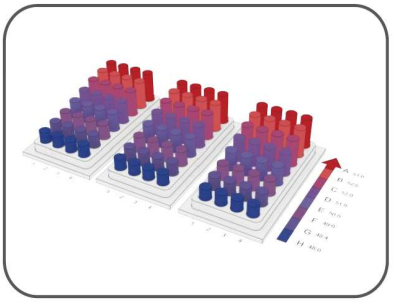
Introduction

The WATSON-T has Android operation system and 10.1 inch capacitive touch screen. 3 blocks can run gradient experiments independently; Air channel is in front and back and it allows machine placed side by side. Self-adapting pressure hot lid makes closing lid and tightening lid in one step. It has long service life peltier heating units and max. ramping rate is 8℃/s and cycle times is more than 1000,000. Wifi unit is built in and user can control many units of PCR through mobile App.

Features

1. Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance.
2. High heating and cooling rate, max. Ramping rate 8℃/s, can save your precious time.
3. Self-adapting pressure hot lid makes closing lid and tightening lid in one step.
4. The types of gradients are normal gradient, linear gradient and dynamic gradients.
5. Air channel is in front and back and it allows machine placed side by side.
6. It has Android operation system and 10.1 inch capacitive touch screen. It has graphical menu navigation interface and operation is very simple.

Long service life Peltier heating units



Form 3 circuits to control 3 temperature zones

The running program and left time can be displayed

Specification

Model	WATSON-T	WATSON-T(G)	WATSON-T(F)
Capacity	3×32×0.2ml	3×(16×2×0.2ml)	3×32×0.2ml
Formats	0.2ml tube, 0.2ml 8 strips		
Reaction Volume	5-120μl		
Temperature Range	0-105℃		
MAX. Ramp Rate	6℃/s	6.5℃/s	8℃/s
Uniformity	≤±0.2℃		
Accuracy	≤±0.1℃		
Display Resolution	0.1℃		
Ramping Rate Adjustable	0.01-6℃/s	0.01-6.5℃/s	0.01-8℃/s
Gradient Temp. Range	30-105℃		
Gradient Type	Normal/Linear	Dynamic	Normal/Linear
Gradient Spread	0.1-30℃	Two independent temperature zones per block, each zone is 0.1-25℃	0.1-30℃
Number of Programs	200000+（USB FLASH）		
Communication	USB2.0 , WIFI		
Weight	11KG		
Power Supply	100-240VAC , 50/60Hz , 600 W		100-240VAC , 50/60Hz , 1200 W