STALWART

**Touch Series Thermal Cycler
STTC-Series**

STTC-12,70

STTC-52,120,45

Introduction

STC Series Thermal Cycler has android and 10.1 inch capacitive Touch Screen. Operation is very Smooth and Simple. Air Channel is in Front and Back and it allows machine placed side by side, Self adapting pressure hot lid makes closing lid in one Step. It has long service life Peltier heating units and max. ramping rate is 8°C/S and cycle me is more than 100000 the two dimensional gradient function can present 96 temperature combination at one me, and accurately explore the denaturation and annealing temperature. Wifi Unit is built in and user can control many units of PCR through mobile App.

Features

- Long Service Peltier heating Units
- Reinforced aluminium module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance.
- High heating and cooling rate max. Ramping rate 8°C/S can save your precious me.
- Self-adapting pressure hot lid made closing lid and tightening lid in one step.
- Air Channel is in Front and back and it allows machine placed side by side.
- It has Android operating system and 10.1 inch capacitive touch screen. It has graphical menu navigation interface and operation is very simple.
- Built in 11 standard program file template, can quickly edit the required files.
- The running program and le me can be displayed in real me, allow to edit file when program is running.
- One-click quick incubation function can meet experiment's need such as denaturation, enzyme cutting/enzyme-ink and ELISA.
- Hot lid temperature and hot lid work mode can be set to meet different Experiment need.
- Automatic Start after Power Failure. When Power is restored it can continue to run unfinished program.
- Support USB to store and copy PCR data, user can control PCR by USB mouse.
- Update software by USB and LAN.
- WIFI module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection.
- Email notification after experiment is over.

Specification

Item	STTC-12	STTC-45	STTC-52	STTC-70	STTC-120
Capacity	96×0.2ml	48×0.2ml+30×0.5ml	Double 48×0.2ml	384 well	96×0.2ml+77×0.5ml
Temperature Range	0-100˚C	0-100˚C	0-100˚C	0-100˚C	0-100˚C
Heating Rate	5˚C/s	5˚C/s	5˚C/s	5˚C/s	5˚C/s
Cooling Rate	4˚C/s	4˚C/s	4˚C/s	4˚C/s	4˚C/s
Uniformity	≤±0.2˚C	≤±0.2˚C	≤±0.2˚C	≤±0.2˚C	≤±0.2˚C
Accuracy	≤±0.1˚C	≤±0.1˚C	≤±0.1˚C	≤±0.1˚C	≤±0.1˚C
Display Resolution	0.1˚C	0.1˚C	0.1˚C	0.1˚C	0.1˚C
Temperature Control	BlockTube	BlockTube	BlockTube	BlockTube	BlockTube
Ramping Rate Adjustable	0.1-5˚C	0.1-5˚C	0.1-5˚C	0.1-5˚C	0.1-5˚C
Gradient Uniformity	≤±0.2˚C	≤±0.2˚C	≤±0.2˚C	≤±0.2˚C	≤±0.2˚C
Gradient Accuracy	≤±0.2˚C	≤±0.2˚C	≤±0.2˚C	≤±0.2˚C	≤±0.2˚C
Gradient Temp. Range	30-100˚C	30-100˚C	30-100˚C	30-100˚C	30-100˚C
Gradient Spread	1-30˚C	1-30˚C	1-30˚C	1-30˚C	1-30˚C
Hot Lid Temperature	30-110˚C	30-110˚C	30-110˚C	30-110˚C	30-110˚C
Hot Lid Height Adjustable	Stepless Adjustable	Stepless Adjustable	Stepless Adjustable	Stepless Adjustable	Stepless Adjustable
Number of Programs	10000 +(USB FLASH)	10000 +(USB FLASH)	10000 +(USB FLASH)	10000 +(USB FLASH)	10000 +(USB FLASH)

Specification

Max. No of Step	30	30	30	30	30
Max. No of Cycle	100	100	100	100	100
Time Increment/ Decrement	1 Sec - 600 Sec	1 Sec - 600 Sec	1 Sec - 600 Sec	1 Sec - 600 Sec	1 Sec - 600 Sec
Temp Increment/ Decrement	0.1-10.0˚C	0.1-10.0˚C	0.1-10.0˚C	0.1-10.0˚C	0.1-10.0˚C
Pause Function	Yes	Yes	Yes	Yes	Yes
Auto Data Protection	Yes	Yes	Yes	Yes	Yes
Hold at 4˚C	Forever	Forever	Forever	Forever	Forever
Touchdown Function	Yes	Yes	Yes	Yes	Yes
Long PCR Function	Yes	Yes	Yes	Yes	Yes
Language	English	English	English	English	English
Mobile App	Android	Android	Android	Android	Android
LAN to computer	Yes	Yes	Yes	Yes	Yes
LCD	8 inch, 800×600 pels,	8 inch, 800×600 pels,	8 inch, 800×600 pels,	8 inch, 800×600 pels,	8 inch, 800×600 pels,
Communication	USB2.0 , LAN, wifi	USB2.0 , LAN, wifi	USB2.0 , LAN, wifi	USB2.0 , LAN, wifi	USB2.0 , LAN, wifi
Dimension	390mm×270mm× 255mm (L×W×H)	390mm×270mm× 255mm (L×W×H)	390mm×270mm× 255mm (L×W×H)	390mm×270mm× 255mm (L×W×H)	390mm×270mm× 255mm (L×W×H)
Weight	9kg	9kg	9kg	9kg	9kg
Power Supply	85-264VAC, 47-63Hz, 600 W	85-264VAC, 47-63Hz, 600 W	85-264VAC, 47-63Hz, 600 W	85-264VAC, 47-63Hz, 600 W	85-264VAC, 47-63Hz, 600 W

13609 Victory Blvd, suite 237 Van Nuys CA 91401 USA.