



## THERMAL CYCLER BTHC-409

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Thermal Cyclers have become an essential tool for DNA amplification, and are considered by many as the workhorse of the laboratory. It provides outstanding performance in a compact and user friendly design. Better performance, efficiency and faster optimization makes it a perfect choice for any laboratory.

Used in Research, Development, Food Science, Pharmaceutical, Life Science, Animal Diagnostics, Analytical Laboratories, Cloning, Sequencing, Gene Expression, Gene Amplification..

Also known as DNA Amplifier, Thermocycler, PCR Machine, Laboratory Thermocycler, Laboratory PCR Machine, Laboratory DNA Amplifier..

## BTHC-409 THERMAL CYCLER



It uses advanced Peltier Technology

Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance

Scalable hot lid fits tubes of different heights

TFT color capacitive touch screen ( 5 inches, 800x480 pels), graphical menu navigation interface, very easy to operate

Built-in 11 standard program file template, can quickly edit the required files

Folder management, user can build directory

The running program and left time can be displayed in real time , allow to edit file when program is running

One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA

While block temperature is lower than set temperature or program ends, the hot lid will be automatically closed

Automatic restart 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

Support email-alert function when experiment is over

Mobile phone App available

## SPECIFICATIONS

Model	BTHC-409
Sample Capacity	32x0.2 ml(4x8 layout)
Temperature Range	4~100°C
Temperature Increment/Decrement	0.1~10.0°C
Hold at 4°C	Forever
Max. ramp rate	0.1°C~5°C
Max Heating Rate	5°C
Max Cooling Rate	4°C
Display Interface	LCD, 5', 800x480, 65K color
Display Resolution	0.1°C
Uniformity	≤±0.2°C
Accuracy	≤±0.2°C
Gradient Temp Range	30°C~100°C

Gradient Spread	1~30°C
Hot Lid Temperature	30°C~110°C
Max.No.of Cycle	100
Max Program Steps	30
Communication	USB2.0 , WIFI
Tube	0.2 ml single tube, 8 strip
Temp Control Mode	Block, tube
Time Increment/Decrement	1 sec ~600 sec
Pause Function	Yes
Auto Data Protection	Yes
Dimension (WxDxH)	190x267x115 mm
Power	200 W
Weight	3.2 kg
Power Supply	100-240 V, 50-60 Hz



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