

labodam



# Touch Thermal Cycler (Gradient)

## LD-LTCG-A22

[www.labodam.com](http://www.labodam.com) | [info@labodam.com](mailto:info@labodam.com)

Touch Thermal Cycler (Gradient) LD-LTCG-A22 with customized 6 pcs long service life peltier heating units. With 5°C/s maximum Ramping rate, this cycler saves operation time of user. It has 3 × (32 × 0.2 ml) capacity and temperature ranges from 0 to 100°C. Designed with 8 inch TFT touch screen with graphical real time display. Features with PC control function, print function, large storage capacity, USB connection, this cycler meets latest experimental demands. Adopts 3 blocks independently controlled and run 3 different PCR programs simultaneously. Its temperature gradient range is from 30 to 100°C. It is used in advanced PCR applications across research and development etc.

## Features :

- ❑ Designed with 6 long service life Peltier heating unit and form 3 circuits to control 3 temperature zones
- ❑ High heating and cooling rate, maximum ramping rate is 5 °C /s
- ❑ Reinforced aluminum module with anodizing technology and rapid heating-conducting property, have enough corrosion resistance
- ❑ Designed with 8 inch, 800 × 600 pels, TFT LCD display
- ❑ Step less adjustable hot lid with pressure protection, fit tubes of different heights to melt and avoid tube evaporation
- ❑ Adopts 3 blocks independently controlled and run 3 different PCR programs simultaneously
- ❑ Built-in 11 standard program file template, quickly edit the required files
- ❑ Equipped with one click incubation function such as denaturation enzyme cutting/enzyme-link and ELISA
- ❑ Automatic restart after power failure, when power is restored to continue to run unfinished program
- ❑ GLP report records every step to provide accurate data support for experiment result analysis
- ❑ Offers login management, three-tier permission, password protection function to ensure data security
- ❑ Support USB and LAN to update software
- ❑ Support Email alert function when experimental is over

## Application :

Touch Thermal Cycler is used in used in advanced PCR applications across research and development, animal and plant tissue culture, food science, pharmaceuticals, life science, and analytical laboratories.

## Specifications:

Model	LD-LTCG-A22
Capacity	3 × (32 × 0.2 ml )
Temperature Range	0 to 100°C
Heating Rate	5 °C/s
Cooling Rate	4 °C/s
Uniformity	≤± 0.3°C
Accuracy	≤± 0.2°C
Display Resolution	0.1°C
Temperature Control	Block\Tube
Ramping Rate Adjustable	0.1 to 5°C
Gradient Temperature Range	30 to 100°C
Gradient Spread	1 to 30°C
Hot Lid Temperature	30 to 110°C
Hot Lid Height Adjustable	Step less Adjustable
Number of Programs	10000 + (USB FLASH)
Max. No. of Step	30
Max. No. of Cycle	100
Time Increment / Decrement	1 Sec to 600 Sec
Temperature Increment / Decrement	0.1 to 10.0°C
Pause Function	Yes
Auto Data Protection	Yes

# Touch Thermal Cycler (Gradient) LD-LTCG-A22

Hold at 4°C	Forever
Language	English
Print	Yes
LAN to computer	Yes
LCD	8 inch, 800 × 600 pels, TFT
Communication	USB 2.0, LAN
Dimension	390 × 270 × 255 mm
Power consumption	600 W
Power Supply	85 to 264 VAC , 47 to 63 Hz , 600 W
Weight	9 kg