

IV-241 TOUCH SCREEN PCR THERMAL CYCLER

PRODUCT FEATURES

- The most advanced peltier-based semiconductor technology;
- Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property
- High heating and cooling rate, max. Ramping rate 5 C/s, can save your precious time;
- Scalable hot lid fits tubes of different heights;
- TFT color capacitive touch screen (5 inches, 800×480), graphical menu navigation interface, 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;
- Hot lid temperature and hot lid work mode can be set to meet different experiment's need;
- 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 PCR machine through computer or cell phone with internet
- Support email-alert function when experiment is over.

32 WELL



ACCESSORIES

- INSTRUCTION MANUAL
- USB CABLE
- SOFTWARE

Technical specification

Single step time range \ Hot cover temp. range	1-59m59s \ 30-110°C
Max. steps of the program	30
Program max. cycle number	99
Max. heating rate \ Max. cooling rate	6°C/s \ 5°C/s
Time increment/decrement	-599 to +599s
Temp. increase/decrease \ Temp. uniformity \ accuracy \ Temp. range	-9.9 to +9.9°C \ +0.20°C \ ±0.10°C \ 4-99.9°C
Program pause function \ Sample capacity	Yes \ 32 x 0.2ml
16°C Insulation \ Communication Interface	Forever \ USB 2.0
Temp. display resolution \ Temp. control method	0.1°C \ Block\Tube
Program Storage quantity	100
Gradient temp. uniformity \ range	+0.2°C \ 30-99.9°C
Gradient temp. accuracy	+0.2°C
Input power \ LCD	24V, 8A \ 5 inch, 800 x 480 Pixel
Gradient temp. difference range	0.1-30°C