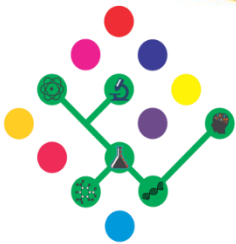


# GRADIENT THERMAL CYCER 96 WELL

## IG-EP Series



**IGENE LABSERVE**

Innovative • Interactive • Intuitive

# FEATURES & SPECIFICATIONS

## FEATURES

- ❖ New and unique appearance, the interface operation is simple and convenient, compact size.
- ❖ High performance peltier, precise temperature control.
- ❖ Compatible with PCR tubes/8-strip tubes/ 96- well micro plates.
- ❖ Excellent temperature rising and cooling rate up to 5°C / s.
- ❖ Single mould aluminum case provides higher heat dissipation performance.
- ❖ 7-inch TFT high-definition full-touch color screen, can quickly edit the required files, visual display of temperature curve, convenient and fast setting, accurate display of temperature curve and instrument running process status in real time.
- ❖ The system has a built-in gradient calculator, which can easily obtain accurate annealing temperature for different experimental samples to optimize PCR reaction conditions.
- ❖ User login, rights management, password protection, data security, administrators can clear users, large data storage; the maximum number of files that can be stored in the machine is greater than 1000.
- ❖ Unique heating lid design for adjustable height of tubes
- ❖ Real-time display of gradient temperature distribution, real-time temperature display, more conducive to controlling the sample temperature.
- ❖ The hot lid temperature and working mode can be set, hot lid can be switched on and off and tube temperature control mode and module temperature control mode can be chosen to meet more different experimental requirements.



# Technical Parameters

Specifications	Parameters
Model No,	IG-96GEP
Temp. control range	4~105°C
Application container	96X0.2ml PCR tube /12*8- strip tubes/ 96- Well micro plate
Max. heating rate	4.5°C/s
Maxi. cooling rate	4.0°C/s
Temp. uniformity	±0.25°C
Temp. display accuracy	±0.1°C
Temp. control accuracy (at 55°C)	±0.3°C
Temp. control method	Block/Tube
Gradient temp. uniformity	±0.3°C
Gradient temp. accuracy	±0.3°C
Gradient temp. range	30~99.9°C
Gradient temp. difference range	0.1~30°C
Single step time range	1~59m59s(0 is forever)
Hot cover temp. range	30-110°C
Max. steps of the program	30
Program max. cycle number	99
Time increment/ decrement	-599~+599s
Temp. increment/decrement	-9.9~+9.9°C
Program pause function	Yes
16 <sup>g</sup> Insulation	Forever
LCD	7 inches,800×480 Pixel
Program storage quantity	>1000
Communication Interface	USB 2.0(extension)
Power supply	100-240V AC 6.6-3.1A 50/60Hz
Dimensions(mm)	W.240 × D.270 × H.150
Net weight	3.2kgs