LABMAN ™
SCIENTIFIC INSTRUMENTS
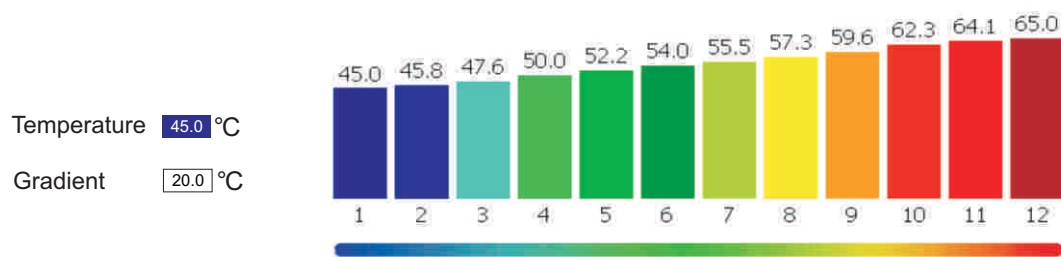
Polymer Chain Reaction

Gradient Thermal Cycler PCR
Touch Screen

Polymerase Chain Reaction (PCR) is widely used in Molecular biology. As PCR progresses, the DNA thus generated is itsel used as as template for replication. With PCR it is possible to amplify a single or few copies of a specific DNA fragment across several orders of magnitude, generating millions copies of the DNA fragments.

Salient Features

✚ Advanced technologies, WINDOWS operating system.

✚ Automatic restart after power failure.

✚ Each thermal block has 4 independent temperature control sensors and 8 peltier heating units to ensure accurate and uniform temperature across block surface, and provide users with replicating previous condition set-up.

✚ 8" TFT color touch-screen with graphical display provides easy use for setting up and monitoring set parameter.

✚ The actual and target temperatures can be viewed and displayed graphically in real time.

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

✚ Internal flash memory for 10000 typical PCR files in free configurable folders.

✚ Compatible with mouse, keyboard, capable to transfer data and perform software updates via USB Drive.

✚ Applicable with the following 0.2ml tube models: non-skirted, semi and fully skirted plated.

✚ Replaceable module, dual-block module can simultaneously run two different PCR programs.

45.0	45.8	47.6	50.0	52.2	54.0	55.5	57.3	59.6	62.3	64.1	65.0
1	2	3	4	5	6	7	8	9	10	11	12

Temperature 45.0 ℃

Gradient 20.0 ℃

LABMAN™
SCIENTIFIC INSTRUMENTS

SPECIFICATIONS

MODEL	PCR-9602G
Capacity	96×0.2ml
Make	LABMAN
Temperature Range	0 ~ 100℃
Max. Heating Rate	5℃/s
Max. Cooling Rate	4℃/s
Uniformity & Accuracy	≤±0.1℃
Display Resolution	0.1℃
Temperature Control	Block\Tube
Ramping Rate Adjustable	0.1 ~ 5℃
Gradient Uniformity	≤±0.2℃
Gradient Accuracy	≤±0.2℃
Gradient Temp. Range	30 ~ 100℃
Gradient Spread	1 ~ 30℃
Hot Lid Temperature	30 ~ 110℃
Hot Lid Height Adjustable	Stepless adjustable
Number of Programs	10000 +(USB FLASH)
Max. No. of Step	30
Max. No. of Cycle	99
Time Increment/Decrement	1 Sec ~ 9 Min 59 Sec
Temp. Increment/Decrement	0.1 ~ 9.9℃
Pause Function	Yes
Auto Data Protection	Yes
Hold at 4℃	Forever
Print, LAN to computer,	Yes
LCD display	Touch Screen, 8inch , 800×600 Pixels, TFT
Communication	USB2.0 , LAN
Power Supply	85 ~ 264VAC , 47 ~ 63Hz , 600 W
Dimension (L×W×H)	380 × 240 × 260 mm
Weight	9 kg

★ Specifications are subject to change without notice.