

# MS3-MaxiPCR32

## Mini Gradient Thermal Cycler, PCR instrument

Gradient PCR instrument is a gene amplification instrument with gradient PCR function derived from ordinary PCR instrument. It is widely used in molecular biology, disease research, university laboratories, research centers and other fields.

The interface operation is simple and convenient, ultra light and thin design.

The latest generation of semiconductor technology, excellent augmentation performance, effectively eliminates the edge effect of module heat conduction, the module temperature uniformity is excellent. Built in multi channel refrigeration film, several sensors are evenly distributed, the program temperature control is more precise.

5 inch TFT high definition full 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 progress 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.

The Thermal cycler instrument has a genius elastic hot cover structure design. Adapts to the different height test tube, guarantees the best conditions for the test.

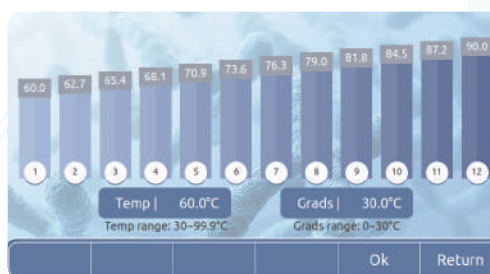
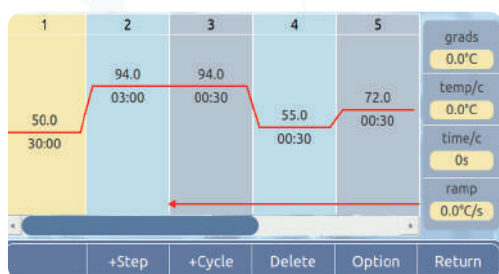
The instrument has real time display of gradient temperature and real time temperature display.

The instrument has a settable lid temperature system. The hot lid temperature and working mode can be set, hot lid can be switched on and off, and test tube temperature control mode and module temperature control mode can be chosen to meet more different experimental requirements.



# Interface Display

The 5 inch TFT high definition full touch color screen can quickly edit the required files, temperature curve visual display, the setting is convenient and fast, real time accurate display temperature curve and instrument operation process status.



Specification	MS3-MaxiPCR32
Single step time range	1-59m59s
Temperature range	4-99,9°C
Sample capacity	32x0.2ml
Max. Heating speed	6°C/s
Max. Cooling speed	5°C/s
Temp. uniformity	±0.25°C
Temp. accuracy	±0.20°C
Temp. display resolution	0,1°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
Hot cover temp. range	30-105°C
Max. Steps of the program	30
Program max. Cycle number	99
Time increment/ decrease	-599 / +599s
Temp. increment/ decrease	-9.9 / +9.9°C
Program pause function	Yes
16°C insulation	Forever
Display, controller	5 inch, 800x480 Pixel
Program storage quantity	>100
Communication interface	USB 2.0
Input power	24V, 8A
Dimensions, WxDxH	200x230x85mm
Net weight	3.2 kgs