

## New 96 well Gradient Thermal Cycler

### Technical Information:

#### Block Formats

0.5ml capacity	60
0.2ml capacity	96
384 well block	yes
Gradient block	0.5ml,0.2ml,384
In-situ block	yes
User interchangeable	yes

#### Block Temperature

Gradient Range	20° C to 70° C
Maximum Gradient	30° C (16° C for 384 well)
Maximum ramp rate	3.0° C/sec
Block uniformity at 50Deg C	0.3° C
Column uniformity with a 10° C Gradient	0.3° C
Temperature Range	4° C to 99° C
Temperature set point precision	0.1° C

#### Heated Lid

Selectable heated lid temperature	100° C to 115° C
Heated lid enable/disable	yes
Over temperature cut out	yes
Regulated lid pressure	yes

#### Programming

Memory cards	yes
Number of programs	50 or 500 (with card)
Password protection	yes
Programming	touch screen
Graphical display	Real time graph
Incremental/decremental temperature	yes
Incremental/decremental hold time	yes
Maximum hold time	99hrs
Minimum hold time	1 sec
Variable programmable ramp rate	0.1° C/secsteps
Run end time calculation	yes
Pause and stop facility	yes
End of program alarm	yes
Auto restart on power failure	yes

#### Miscellaneous

Serial port	RS232/485
Dual Voltage 115/230V	yes
Temperature sensor	Thermistor
Peltier elements/block	8
Dimensions LxWxH(mm)	420X220X260
Foot print (LxW)	420MMx220MM
Connection to PC control program	yes
Free software upgrades from website	yes
Power consumption	620 Watts
Frequency	50-60 Hz
Voltage	230/115V or 100 V
Instrument is supplied with one 384 well block	