
New 96 well Thermal Cycler

Technical Information:**Blocks Formats**

0.5ml capacity	60
0.2ml capacity	96
384-well block	Yes
In-situ block	Yes
User interchangeable	Yes

Block Temperature Specifications

Maximum ramp rate*	2.6° C/sec
Block uniformity at 50° C*	< ± 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 - 115° C
Heated lid enable/disable	Yes
Over temperature cut out	Yes
Regulated lid pressure	Yes
Heated lid only comes on if block is set above 35° C	

Programming

Number of programs #	80
Password protection	Yes
Programming	4-line alphaN
Graphical display	No
Incremental/decremental temperature	Yes
Incremental/decremental hold time	Yes
Maximum hold time	18 hrs
Minimum hold time	1 sec
Variable programmable ramp rate	0.1° C/sec steps
Run end time calculation	Yes
Pause and stop facility	Yes
End of program alarm (enable/disable)	Yes
Auto restart on power failure	Yes

Miscellaneous

Serial port	RS232
Dual Voltage (120/230V)	Yes
Temperature sensor	Thermistor
Peltierelements/block	8
Dimensions L x W x H (in inches)	16.5 x 8.6 x 10.2
Footprint L x W (in inches)	142 in ²
Connection to PC control program	Yes
Free software upgrades from website	Yes
Power consumption	620 Watts
Frequency	50 - 60 Hz
Net weight	11kg (total)

* Given are typical values of a standard 0.2ml block, in an ambient temperature of 20° C. # Actual numbers are dependent on complexity of the programs. The instrument is supplied with one 96 well block.