

Techne Prime Elite Technical Specification



Sample capacity 0.2ml	96
Sample capacity 0.5ml	60
Sample capacity 384-well	384
Block temperature range	4°C to 100°C*
Block uniformity (without gradient)	< ±0.3°C
Temperature accuracy	< ±0.2°C
Gradient range	10°C to 100°C
Maximum gradient	30°C
Minimum gradient	1°C
Pre-run sample cooling	Yes at 4°C
Temperature set point adjustment	0.1°C
Maximum heating rate	5°C/sec
Minimum heating rate	0.1°C/sec
Maximum cooling rate	3.0°C/sec
Minimum cooling rate	0.1°C/sec
Selectable heated lid temperature	35°C to 115°C or off
Pre-heat lid	Yes
Warm up time from ambient	< 2 min
Over-temperature cut-out	Yes
Regulated heated lid pressure	Automatic
Program interface	5.7" VGA colour touchscreen
Maximum number of programs stored	1000
Maximum number of stages per program	99
Maximum number of steps per stage	99
Maximum number of cycles per stage	99
Programmable ramp rate	Yes in 0.1°C/sec steps
Maximum hold time	99h 59m 59s
Minimum hold time	0.1 sec
Gradient calculator	Yes
Incremental/decremental temperature	Yes
Incremental/decremental time	Yes
Pause facility	Yes
Password protection	Yes
Run completion time	Yes
End of program alarm	Yes (can be disabled)
Auto re-start on power failure	Yes, 10 min, 30 min, 1 hour, always
Connection to PC control software	Yes
Software updates	www.techne.com/Software.asp
Tm primer calculator	Yes
Licensed for gradient cycling	Yes
Dimensions (L x W x H)	375 x 276 x 312mm
Weight	14kg
Voltage	100-230V, 50-60Hz
Power	1000W

* Prime Elite can cool to 4°C or 20°C below ambient, all specifications performed at 20°C