

Technical data:

Labcycler Basic & Gradient

Line voltage	85 to 265 without switching, 50 - 60 Hz
Power consumption	Maximum 350 Watt, standby 25 Watt
Loudness	Idle 38 dBA, typical run 44 dBA, maximum run 48 dBA
Interfaces	RS232
Heated lid	Electrically moving, temperature and pressure programmable up to 105 °C
Pressure	Programmable from 30 to 120 Newton
Dimension	Length = 444 mm. Width = 251 mm, Height lid close = 201 mm, lid open = 347 mm
Weight	11.5 kg
Display	TFT illuminated colour ¼ VGA, 5,7" diagonal, 320 x 240 = 76800 pixel touchscreen
Keyboard	Numeric silicon keys Virtual keys on the touchscreen depending on the context
Languages	English, German
Programs	680 5-step-programs, or at least 3000 steps The last 16 program runs can be displayed any time
Password protection	Individual for groups, persons, folders and programs

Systems:

Thermoblock

48

96

384

Material	Electroformed gold Plated silver		
Temperature	Minus 5 °C to plus 99.9 °C		
Uniformity	± 0.25 °C at 55 °C, ± 0.40 °C at 95 °C		
Controll accuracy	0.01 °C/s		
Ramp rate	0.001 °C/s - 5.0 °C/s		
De(In)crements	Temperature ± 9.99 °C, time ± 99.99 seconds		
Gradient capable	40 °C, ± 20°C from the left to the right		
Heating rate	4.2 °C/s		
Cooling rate	3.6 °C/s		
Block format	48-wells, 0.5 ml single tubes	96-wells, 0.2 ml single tubes, stripes & microtiterplates	384-wells, microtiterplates

Triple Block:

Tripleblock 3x21

Material	Anodised aluminium
Temperature	Minus 5 °C to plus 99.9 °C
Uniformity	± 0.25 °C at 55 °C, ± 0.40 °C at 95 °C
Control accuracy	0.01 °C/s
Ramp rate	0.001 °C/s - 5.0 °C/s
De(In)Crements	Temperature ± 9.99 °C, time ± 99.99 seconds
Gradient capable	No
Heating rate	2.5 °C/s
Cooling rate	2.2 °C/s
Block format	3 passive lids, separately controllable, 0,2 ml single tubes



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