

13 Technical data

Mastercycler® / Mastercycler® gradient

Sample capacity:	1 PCR plate 96 or 96 0.2 ml PCR tubes or 77 0.5 ml PCR tubes, thin-walled
Temperature range:	4 to 99 °C
Temperature uniformity across the block:	95 °C ± 1.0 °C 20 to 72 °C ± 0.6 °C
Control accuracy:	± 0.2 °C
Temperature-control speeds:	Heating rate: approx. 3 °C/s, measured on the block Cooling rate: approx. 2 °C/s, measured on the block
Number of programs:	max. 99 max. 10 on a personal card
Maximum number of cycles:	99
Dimensions:	Width: 26 cm Depth: 41 cm Height: 27 cm
Weight:	approx. 12.4 kg
Voltage/frequency:	230 V, 50–60 Hz / 115 V, 50–60 Hz / 100 V, 50–60 Hz
Power requirement:	500 W 500 W 500 W
Operating current:	2.6 A 5 A 6 A
Fuses:	2 x T 5 A, 250 V 2 x T 6.3 A, 250 V 2 x MT 8 A, 250 V
Overvoltage category:	II
Pollution degree:	2
Contamination level:	I
Operating conditions:	15 to 35 °C, 70 % rel. humidity
Storage conditions:	–20 to 70 °C, 85 % rel. humidity

The device is -approved, fulfills UL 3101-1 and CSA C 22.2 No. 1010.1.

Technical specifications subject to change!