

9 Technical data

9.1 Power supply

Main power connection:	100 to 240 V \pm 10 %, 50 to 60 Hz Voltage is automatically adjusted.
Fuse for 100 to 240 V:	T1,6 A, 250 V (2 off)
Power consumption:	75W
Maximum current consumption:	< 0.8 A
Protection class:	I
Overvoltage category:	II (IEC 61010-1)
Degree of contamination:	2 (IEC 664)

9.2 Ambient conditions

Environment:	For indoor use only
Ambient temperature:	4 to 40 °C
Relative humidity:	80 % max.

9.3 Weight / dimensions

Dimensions (W x D x H):	220 x 250 x 125 mm
Weight:	5.0 kg

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9.4 Application parameters

Temperature control range:	–5 °C to 99 °C
Usable tempering range:	from 30 °C below room temperature to 99 °C
Usable tempering range CombiBox:	30 °C below room temperature to 95 °C (dependent on filling level)
Tempering accuracy for:	
0 °C	±1.0 °C
37 °C	±0.5 °C
90 °C	1.0 °C
Heating rate:	5 °C/min
Cooling rate:	
simple tempering operation:	6.0 °C/min between 99 °C and 25 °C 1.5 °C/min between 25 °C and –5 °C
programmable tempering operation:	1 to 2 °C/min
Temperature deviation across the 24 exchangeable thermoblock:	max. 0.2 °C

9.5 Additional data

9.5.1 Interfaces

EDP connection:	RS-232, Sub-D9 male
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Only connect devices to interfaces that meet the IEC 950/EN 60950 (UL 1950) standards.

9.5.2 Time interval

Programmable time interval:	1 min to 99:59 hours, infinitely adjustable
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