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CH 3-150, Heating and cooling thermostat, Combitherm-2

Premium Product Class

DESCRIPTION



Combitherm-2 **CH 3-150** is specially designed to thermostabilise materials at temperatures from –3°C to +150°C according to methods of analysis. To obtain useful functionality and decrease foot-print of instruments Combitherm-2 consists of 2 independent cooling and heating plug-in thermoblocks combined in a common electronic circuit board as well as inside a common external body. The left part of the front keyboard is responsible for setting parameters for cooling plug-in blocks and the right part — for heating plug-in blocks. Both of them are regulated independently and can realize up to 16 programs including temperature and time in each program. Peltier technology is used for cooling below room temperature; PCB is used for heating till +150°C.

Separation of cooling and heating parts from each other increases durability of the instrument and speed of temperature changing after setting a new program.

Different block types can be provided on request

SPECIFICATIONS

Heating block Temperature setting range	+25°C ... +150°C
Heating block Temperature control range	5°C above ambient ... +150°C
Heating block Setting resolution	1°C
Heating block Stability	±0.1°C
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Temperature calibration coefficient range	0.936...1.063 (± 0.063)
Cooling block Temperature setting range	–3°C ... +20°C
Cooling block Temperature control range	23°C below ambient ... 5°C below ambient
Cooling block Setting resolution	0.1°C
Cooling block Stability	±0.1°C
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Digital time setting	1 min–99 hrs 59 min (increment 1 min)
Timer sound signal	+
Display	LCD
User adjustable programs (temperature and time)	16 (heating) + 16 (cooling)
Overall dimensions (W×D×H)	295x285x220 mm
Weight	5.6 kg
Input current/power consumption	1.8 A / 430W
Power supply	230 V, 50/60 Hz

CAT. NUMBER

Without thermoblock	Without thermoblock
BS-010418-AAA	230VAC 50/60Hz Euro plug
BS-010418-NK	IQ OQ document
BS-010418-OK	PQ document

ACCESSORIES



B2-50
BS-010418-AK
block

Ø48 mm x 2 sockets depth 58 mm



B10-16
BS-010418-BK
block

Ø16 mm x 10 sockets depth 56 mm



B6-25
BS-010418-CK
block

Ø25 mm x 6 sockets depth 40 mm



B23-1.5
BS-010418-DK
block

23 sockets for 1.5 ml microtest tubes depth 35 mm



B10-13
BS-010418-LK
block

Ø13 mm x 10 sockets, flat bottom, depth 30 mm



B5-29
BS-010418-KK
block

Ø29 mm x 5 sockets, flat bottom, depth 40 mm



B18-12
BS-010418-EK
block

18 sockets for Ø12x75 mm round bottom tubes, depth 58 mm