

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

Combitherm-2 **CH 3-150** is specially designed to thermostabilise materials at temperatures from -3°C to $+150^{\circ}\text{C}$ 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 $+150^{\circ}\text{C}$.

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



Heating block specifications:

Temperature setting range	$+25^{\circ}\text{C}$... $+150^{\circ}\text{C}$
Temperature control range	$+5^{\circ}\text{C}$ above ambient ... $+150^{\circ}\text{C}$
Setting resolution	1°C
Stability	$\pm 1^{\circ}\text{C}$

Cooling block specifications:

Temperature setting range	-3°C ... $+20^{\circ}\text{C}$
Temperature control range	23°C below ambient ... 5°C below ambient
Setting resolution	0.1°C
Stability	$\pm 0.1^{\circ}\text{C}$

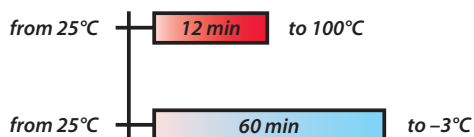
General specifications:

Digital timer with sound alarm	1 min–99 hrs 59 min (increment 1 min)
User adjustable programs (temperature and time)	16 (heating) $+16$ (cooling)
Display	LCD
Overall dimensions	295 x 285 x 220 mm
Weight, not more	6 kg
Power supply	220/240 V, 50/60 Hz
Heating power	500 W

Catalogue number:

CH 3-150 without blocks	BS-010418-AAA
B2-50	BS-010418-AK
B10-16	BS-010418-BK
B6-25	BS-010418-CK
B23-1.5	BS-010418-DK

Heat up and cool down times for CH3-150



Interchangeable thermoblocks:

1 B2-50	2 sockets	\varnothing 50 mm
2 B10-16	10 sockets	\varnothing 16 mm
3 B6-25	6 sockets	\varnothing 25 mm
4 B23-1.5	23 sockets	1.5 ml microtubes

Different block types can be provided on request

1 B2-50



2 B10-16



3 B6-25



4 B23-1.5

