

# CH3-150

## Combitherm-2 dry block heating and cooling system

Durable compact dry block heating and cooling system with independently regulated heating and cooling blocks in the same unit for added flexibility. The blocks are available in a choice of seven interchangeable blocks are available or custom blocks to suit more specific tube sizes.



Protective lid - reduces risk of contamination.

2-line LCD display clearly indicates both set and actual value for temperature and time.

Easy change of parameters during unit performance saves time during applications.

Independent controls with 16 user adjustable programs including temperature and time.



## Product highlights

- Stability:  $\pm 0.1^{\circ}\text{C}$
- Digital timer with sound alarm: 1 min to 99 h 59 min
- User adjustable programs temperature and time: 16 (heating) and 16 (cooling)
- Digital temperature control for optimum precision
- Independently regulated heating and cooling blocks in the same unit
- Temperature calibration function
- Custom blocks available on request



Choice of 7 interchangeable blocks (order blocks separately) - extraction tool supplied as standard. Custom blocks available on request.

Temperature calibration function for precise temperature control.

Simple programming for independent use of heating and cooling block.

## Applications

- Life-science - storing restriction enzymes, nick translation, ligation reactions, restriction digests, protein solubilisation for PAGE, warm incubation of microcentrifuge tubes for hybridisation, enzyme reactions and deactivations
- Incubating samples at set temperatures, heating block for boiling of solutions in tubes
- Life-science-cell digestion, DNA/RNA extraction, post sequencing PCT clean-up-dry down step, boiling in vitro DNA RNA/ protein samples, incubating invitro reactions/digestions, extraction of DNA for real-time PCR analysis, denaturing nucleic acid and protein samples
- Industrial - digestion of environmental samples for chemical oxygen demand analysis, soil digests, maintaining temperatures

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## Technical specifications



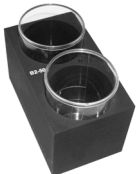
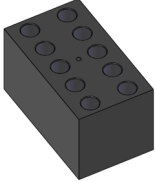

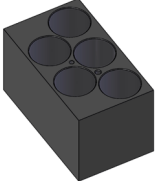


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Combitherm-2 dry block heating/cooling system

Dimensions	h x d x w mm	220 x 285 x 295
Heating block temperature range	°C	+25 to +150
Heating block temperature control range	°C	Ambient +5 to +150
Heating block setting resolution	°C	1
Heating block stability	°C	±0.1
Cooling block temperature range	°C	-3 to +20
Cooling block temperature control range	°C	Ambient -23 to ambient -5
Cooling block setting resolution	°C	0.1
Cooling block stability	°C	±0.1
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
Nominal operating voltage	V	230 only (50/60Hz)
Weight	kg	5.6

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## Options and accessories

B2-50		Interchangeable block for 2 x Ø 48mm tubes depth 58mm
B10-13		Interchangeable block for 10 x Ø 13mm tubes, flat bottom, depth 30mm
B10-16		Interchangeable block for 10 x Ø 16mm tubes depth 56mm
B5-29		Interchangeable block for 5 x Ø 29mm tubes, flat bottom, depth 40mm
B6-25		Interchangeable block for 6 x Ø 25mm tubes depth 40mm
B18-12		Interchangeable block for 18 x Ø 12mm tubes, round bottom, depth 58mm
B23-1.5		Interchangeable block for 23 x 1.5ml micro tubes, depth 35mm



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**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.