

CH3-150 Combitherm-2 dry block heating/cooling system

Durable compact dry block heating and cooling system with independently regulated heating and cooling blocks in the same unit.

- **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**



Simple programming for independent use of heating and cooling block.

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

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



Protective lid - reduces risk of contamination.


Temperature Calibration Function for precise temperature control.

2 line LCD display of set and actual parameters to monitor temperature in real-time.

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

- 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
 - Clinical - cooling blood samples prior to coagulation testing. acylcarnitines derivatisation, MRSA and PBP2 latex testing, heating flush/media used in egg recovery, fertility to keep test tubes at correct temperature during egg collection
 - 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

Dry blocks for heating and cooling - Technical specifications

		Combitherm-2 dry block heating/cooling system	
		CH3-150	
			
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	

Options and accessories

• = optional

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