

ThermoCell Cooling & Heating Block

Features:

- Programmable for up to 5 sequential steps of different temperature and duration.
- Automatically adjusting (PID) control for temperature stability.
- Wide temperature setting range.
- Light-weight design for portability.
- Sample block design is easily removed for cleaning or replacement.
- Optional water bath block for added application flexibility.
- Peltier design of CHB-202 provides thermal efficiency, reliability and compact size.



ThermoE Cooling & Heating Block

Features:

- Peltier design provides thermal efficiency, reliability and compact size.
- Lightweight and compact - easily moved from place to place.
- Interchangeable aluminum alloy sample blocks provide versatility and allow easy cleaning and disinfecting.
- Digital time and temperature controls and displays.
- Custom blocks available.



ThermoUnit

Features:

- Peltier design of CHB-100 provides thermal efficiency, reliability and compact size.
- Metal module construction for easy replacement, cleaning and disinfecting.
- Digital display for both temperature and setting features.
- Aluminum alloy blocks ensure good temperature transfer.
- Custom blocks are available.



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Specifications:

Model	Heating block (HB-202)	Cooling & Heating block (CHB-202)
Temp. Setting Range	10°C-105°C	-10°C-105°C
Temp. Control Range	Room temp. +5°C-100°C	0°C-100°C
Timing Range	1min-99h59min	1min-99h59min
Block Temp. Uncertainty	≤±0.5°C	≤±0.5°C
Block Temp. Accuracy	≤±0.5°C	≤±0.5°C
Block Temp. Uniformity	≤±0.5°C	≤±0.5°C
Heating Time	≤12min (from 20°C to 100°C)	≤35min (from 20°C to 100°C)
Cooling Time	—	≤25min (from 20°C to 0°C)
Standard Block	A:40×1.5ml; B:54×0.5ml; C:96×0.2ml; D:24×Φ15mm; E:115mm×73mm×38mm (L×W×H) Water bath block	A:40×1.5ml; B:54×0.5ml; C:96×0.2ml; D:24×Φ15mm; E:115mm×73mm×38mm (L×W×H) Water bath block
Heating Parts	Heater	TE module
Cooling Parts	—	TE module
Size (mm)	300×200×150 (L×W×H)	300×200×150 (L×W×H)
Net Weight	2.8kg	3.3kg
Power Supply	AC220V 50Hz 120W	AC220V 50Hz 120W

* The performance parameters above are for standard block A only.
Others are to be informed later.

Specifications:

Name	ThermoEC	ThermoEH	ThermoES
Mode No.(block type)			
96×0.2ml	CHB-A4-9602	HB-A100-9602	CB-S4-9602
35×0.5ml	CHB-A4-3505	HB-A100-3505	CB-S4-3505
24×1.5ml	CHB-A4-2415	HB-A100-2415	CB-S4-2415
24×2.0ml	CHB-A4-2420	HB-A100-2420	CB-S4-2420
36×0.2ml+15×0.5ml+8×1.5ml	CHB-A4-HH	HB-A100-HH	CB-S4-HH
Temp. Control range	4°C-RT, -5°C RT, +5°C-100°C	RT, +5°C-100°C	4°C
Heating time	≤32min (from 25°C to 100°C)	≤40min (from 25°C to 100°C)	—
Cooling time	≤32min (from 20°C to 4°C)	—	≤32min (from 20°C to 4°C)
Temp. Accuracy	≤±0.5°C	≤±0.5°C	≤±0.5°C
Temp. Display accuracy	—	1°C	—
Uniformity between blocks	≤±1°C	≤±1°C	≤±0.5°C
Holding time of temp.	—	0-9999min or ∞	—
Input power	—	DC12V±1.5V, 60W (by power adapter)	—
Size(mm)	—	180×140×140 (L×W×H)(Power adapter not included)	—
Net Weight	—	1.5-2.2kg	—

* Note: RT. :Room Temperature: (20°C-25°C)

Specifications:

Model	Heating block (HB-100)	Cooling & Heating block (CHB-100)
Temp. Range	Room temp. +5°C-100°C	0°C-100°C
Heating Time	≤22 min (from 20°C to 100°C)	≤30 min (from 20°C to 100°C)
Cooling Time	—	≤25 min (from 20°C to 0°C)
Temp. Uncertainty	≤±0.3°C	—
Temp. Accuracy	≤±0.2°C	—
Temp. Uniformity	≤±0.5°C	—
Standard Module	40×1.5ml + 28×0.5 ml	—
Power Supply	AC 220V 50Hz 150VA	—
Size (mm)	243×195×230 (L×W×H)	—
Net Weight	3.2kg	4.5kg