

Thermo Mix

HCM100-Pro/HM100-Pro

Thermo Mix series integrates precise and efficient heating & cooling and mixing function

DLAB HCM100-Pro-Heating/Cooling/Mixing

DLAB HCM100-Pro combines the excellent mixing and accurate temperature control, to make your work efficiently and productively



Magnet adhesion technology

Quick interchange of blocks with magnet adhesion technology without any tools

Program keys

Freely programmable
Fast and simple access to the most frequently used temperature and time parameters
Save up to 9 user defined programs

Module compatibility

Flexible adapter selection, compatible with various tubes

Intuitive display

LCD display for time, speed and temperature parameters

Block self-recognition

The system can automatically identify the heating module to ensure the smooth completion of the experiment

Add-ons

Three point temperature calibration for precise temperature control

Temperature protection

Block equipped with a lid for heat preservation

Features

- Fully programmable
- Precise temperature control for heating and cooling
- Real-time display of speed, temperature and time
- Excellent mixing (200-1500rpm)
- Quick interchange of blocks without tools and automatic block recognition
- Compatible with most popular tubes
- Block equipped with a lid for heat preservation
- Temperature self-calibration

Applications

Precise and efficient heating/cooling and mixing is applicable for many applications such as Gene synthesis, gene purification, gene and protein denaturation, enzymatic reaction, bacterial growth, and others.

Thermo Control

HC110-Pro

heating and cooling with digital display



Features

- Compact, programmable and overheating protection for safe sample handling
- Precise temperature control for heating and cooling -5°C to 110°C for all major lab applications
- Interchangeable sample blocks available
- Most common application includes reagent warming/cooling, DNA extractions, enzymatic reactions and reactions that need to be processed at or near room temperature.

As low as -5°C

Precise temperature control for heating and cooling between -5°C-110°C.

Specifications	HCM100-Pro	HM100-Pro	HC110-Pro
Functions	Heating, cooling & mixing	Heating & mixing	Heating & cooling
Temperature range [°C]	Below room temp 15- 100	Room temp-100	Below room temp 25- 110
Temperature Setting range [°C]	0-100	15-100	-5-110
Temperature control accuracy@20-45 [°C]	±0.5	±0.5	±0.5
Temperature uniformity@20-45 [°C]	±0.5	±0.5	±0.5
Power [W]	200	200	200
Time setting range	0min~99h30min	0min~99h30min	0min~99h30min
Max Heating speed	5.5°C/min	5.5°C/min	5.5°C/min
Max Cooling speed	5°C/min (100°C-room temp) 0.5°C/min (below room temp)	-	2.5°C/min (100°C-room temp) 0.5°C/min (below room temp)
Mixing speed [rpm]	200-1500	200-1500	-
Mixing orbit [mm]	3	3	-
Display	TFT	TFT	TFT
Program	9	9	9
Overheating protection [°C]	150	150	150
Voltage, Frequency	110/220V, 50/60HZ	110/220V, 50/60HZ	110/220V, 50/60HZ
Dimension [mm]	200x235X120	200x235X120	200x235X120
Weight [kg]	7.3	7.3	7.3
Operating temperature [°C]	10-40	10-40	10-40
Operating humidity [% RH]	<80	<80	<80

Blocks

H100-Pro/HC110-Pro/HCM100-Pro/HM100-Pro

Cat.No	Magnetic	18900401	18900402	18900403	18900404	18900405
	Mechanical fixation	18900344	18900343	18900345	18900637	18900638
Block types						
Capacity	0.5mL×24	1.5mL×24	2mL×24	5mL×8 round bottom	5mL×8 cone bottom	
Speed	1500rpm	1500rpm	1500rpm	1500rpm	1400rpm	
Diameter×depth	8.1×26mm	10.9×30.8mm	10.9×30.8mm	13.6×42mm	17×51.5mm	
Cat.No	Magnetic	18900874	18900406	18900407	18900420	18900423
	Mechanical fixation	—	—	—	18900349	18900350
Block types						
Capacity	1.5mL×24 Chromatography Vial	15mL×8	50mL×4	0.2mL×8 PCR strips or 0.2mL×96 PCR microplate		ELISA microplate
Speed	1500rpm	800rpm	600rpm	1500rpm		1500rpm
Diameter×depth	12×20.5mm	16.9×80mm	29.6×80mm	5.7×13.2mm		127×85mm

HB120-S/HB120-SC (Standard:151×95×50mm, Thin:151×95×36.5mm)

Cat.No	Standard	18900218	18900219	18900253	18900220	18900818	18900221
	Thin	18900274	18900275	18900276	18900277	—	—
Block types							
Capacity	0.2mL×54	0.5mL×40	1.5mL×40	2mL×40	2mL×60 Ampoules tubes		5/15mL×28
Diameter×depth	6.4×15mm	8.2×26.4mm	11×34.7mm	11×34.7mm	12×37mm	17×48mm	
Cat.No	Standard	18900222	18900224	18900223	18900746	18900546	—
	Thin	—	18900278	18900279	—	—	18900504
Block types							
Capacity	50mL×8	0.2mL+0.5mL +1.5/2mL 18+18+18		microplate	Deep well Plate	5mL blood collection tubex45	0.2mL×8 PCR strips or 0.2mL×96 PCR microplate
Diameter×depth	29.8×48mm	Each capacity		127×85mm	137×86.5×42mm	13.5×48mm	5.7×13.2mm

Capacity

Cat. No.18900523

Two-in-one block, bead bath/water bath Adapt to S2



Capacity

Cat. No.18900520








Aluminum beads



HB105-S1 /HB105-S2 /HB150-S1 /HB150-S2

Cat.No	18900459	18900460	18900461	18900462	18900463
Block types					
Capacity	0.2mL×30	0.5mL×20	1.5mL×20	2mL×20	5mL×12
Diameter×depth	6.4×15mm	7.85×28.4mm	11×34.7mm	11×34.7mm	16.6×46mm
Cat.No	18900464	18900465	18900522	18900523	18900520
Block types					
Capacity	15mL×12	50mL×4	Dual purpose block, bead bath/water bath Adapt to S1	Dual purpose block, bead bath/water bath Adapt to S2	Aluminum beads
Diameter×depth	16.6×73mm	19.2×73.5mm	95×76×56mm	151×95×62mm	—

Mini HCL100/Mini HC100/Mini H100

Cat.No	18900414	18900415	18900416	18900428
Block types				
Capacity	0.2mL×40	0.5mL×24	1.5mL×15	2mL×15
Diameter×depth	6.4×20 mm	8.2×28.4mm	11.2×31mm	11×31mm
Cat.No	18900417	18900426	18900427	
Block types				
Capacity	5mL×6	15mL×4	50mL×2	
Diameter×depth	17×31mm	16.4×45mm	29×45mm	



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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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