

# 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



## 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  $-5^{\circ}\text{C}$  to  $110^{\circ}\text{C}$  for all major lab applications
- Interchangeable sample blocks available Applications
- Most common application if for Reagent warming/cooling, DNA extractions, enzymatic reactions and reactions that need to processed at or near room temperature.

## As low as $-5^{\circ}\text{C}$

Precise temperature control for heating and cooling  $-5^{\circ}\text{C}$ – $110^{\circ}\text{C}$ .











Specifications	HCM100-Pro	HM100-Pro	HC110-Pro
Functions	Heating,cooling&mixing	Heating&mixing	Heating&cooling
Temperature range [ $^{\circ}\text{C}$ ]	Below room temp 15– 100	Room temp–100	Below room temp 25– 110
Temperature Setting range [ $^{\circ}\text{C}$ ]	0.1–100	15–100	$-5$ –110
Temperature control accuracy@20–45 [ $^{\circ}\text{C}$ ]	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$
Temperature uniformity@20–45 [ $^{\circ}\text{C}$ ]	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$
Power [W]	200	200	200
Time setting range	0min–99h30min	0min–99h30min	0min–99h30min
Max Heating speed	5.5 $^{\circ}\text{C}/\text{min}$	5.5 $^{\circ}\text{C}/\text{min}$	5.5 $^{\circ}\text{C}/\text{min}$
Max Cooling speed	5 $^{\circ}\text{C}/\text{min}$ ( 100 $^{\circ}\text{C}$ –room temp ) 0.5 $^{\circ}\text{C}/\text{min}$ ( below room temp )	–	2.5 $^{\circ}\text{C}/\text{min}$ ( 100 $^{\circ}\text{C}$ –room temp ) 0.5 $^{\circ}\text{C}/\text{min}$ ( 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 [ $^{\circ}\text{C}$ ]	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 [ $^{\circ}\text{C}$ ]	10–40	10–40	10–40
Operating humidity [% RH]	< 80	< 80	< 80

# Blocks


## H100-Pro

Cat.No	18900401	18900402	18900403	18900404	18900405	18900406	18900407	18900420	18900423
Block types									
Capacity	0.5mL × 24	1.5mL × 24	2mL × 24	5mL × 8 round bottom	5mL × 8 cone bottom	15mL × 8	50mL × 4	96 or 384 well plate	microplate

## HB120-S

Cat.No	Standard	18900218	18900219	18900253	18900220	18900221	18900222	18900224	18900223	18900546	—
	Thin	18900274	18900275	18900276	18900277	—	—	18900278	18900279	—	18900504
Block types											
Capacity		0.2mL × 54	0.5mL × 40	1.5mL × 40	2mL × 40	5/15mL × 28	50mL × 8	0.2mL+0.5mL +1.5/2mL 18+18+18	microplate	5mL blood collection tubex45	8PCR strips and 96PCR microplate








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	18900464	18900465	18900522	18900523	18900520
Block types										
Capacity	0.2mL × 30	0.5mL × 20	1.5mL × 20	2mL × 20	5mL × 12	15mL × 12	50mL × 4	Two-in-one block,bead bath/water bath Adapt to S1	Two-in-one block,bead bath/water bath Adapt to S2	Aluminum beads

## Mini HCL100/Mini HC100/Mini H100

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