

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°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	0-100	-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 Mechanical fixation	18900401	18900402	18900403	18900404	18900405	
		18900344	18900343	18900345	18900637	18900638	
Block types							
Capacity		24×0.5mL	24×1.5mL	24×2mL	8×5mL round bottom	8×5mL 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 Mechanical fixation	18900874	18900406	18900407	18900420	18900423	18900746
		—	18900241	18900242	18900349	18900350	—
Block types							
Capacity		24×1.5mL Chromatography Vial	8×15mL	4×50mL	12×0.2mL PCR 8-tube strip or 0.2mL 96 PCR Microplate	ELISA microplate	Deep well Plate
Speed		1500rpm	800rpm	600rpm	1500rpm	1500rpm	—
Diameter×depth		12×20.5mm	16.9×106mm	29.6×102mm	5.7×13.2mm	127×85mm	127×85×42mm

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

Cat.No	Standard Thin	18900218	18900219	18900253	18900220	18900818	18900221
		18900274	18900275	18900276	18900277	18900877	—
Block types							
Capacity		54×0.2mL	40×0.5mL	40×1.5mL	40×2mL	60×2mL Ampoules	28×5/15mL
Diameter×depth		6.4×15mm	8.2×26.4mm	11×34.7mm	11×34.7mm	12×37mm	17×48mm
Cat.No	Standard Thin	18900222	18900224	18900223	18900546	—	
		—	18900278	18900279	—	18900504	
Block types							
Capacity		8×50mL	18+18+18 0.2mL+0.5mL+1.5/2mL	microplate	45×5mL blood collection tubes	12×0.2mL PCR 8-tube strip or 0.2mL 96 PCR Microplate	
Diameter×depth		29.8×48mm	Each capacity	127×85mm	13.5×48mm	5.7×13.2mm	
Capacity	Cat. No.18900523	Capacity		Cat. No.18900520			
Two-in-one block, bead bath/water bath Adapt to S2		Aluminum beads					
