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



Module compatibility
Flexible adapter selection, compatible with various tubes

Magnet adhesion technology
Quick interchange of blocks with magnet adhesion technology without any tools

Intuitive display
LCD display for time, speed and temperature parameters

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

Block self-recognition
The system can automatically identify the heating module to ensure the smooth completion of the experiment

Add-ons
Three ponit 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.

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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 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

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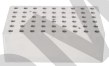
Blocks

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

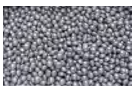
Cat.No							
	Magnetic	18900874	18900406	18900407	18900420	18900423	18900746
	Mechanical fixation	—	18900241	18900242	18900349	18900350	—
Block types							
Capacity		1.5mL×24 Chromatography Vial	15mL×8	50mL×4	0.2mL×8 PCR strips or 0.2mL×96 PCR microplate	ELISA microplate	Deep well Plate
Speed		1500rpm	800rpm	600rpm	1500rpm	1500rpm	—
Diameter×depth		12×20.5mm	16.9×80mm	29.6×80mm	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	18900218	18900219	18900253	18900220	18900818	18900221
	Thin	18900274	18900275	18900276	18900277	18900877	—
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	18900546	—
	Thin	—	18900278	18900279	—	18900504
Block types						
Capacity		50mL×8	0.2mL+0.5mL +1.5/2mL 18+18+18	microplate	5mL blood collection tubex45	0.2mL×8 PCR strips 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
Two-in-one block, bead bath/water bath Adapt to S2	

Capacity	Cat. No.18900520
Aluminum beads	

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