

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

Module compatibility

Flexible adapter selection, compatible with various tubes

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 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	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	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