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.

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℃ to 110℃ 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℃
Precise temperature control for heating and cooling between −5℃–110℃.

Specifications	HCM100-Pro	HM100-Pro	HC110-Pro
Functions	Heating,cooling&mixing	Heating&mixing	Heating&cooling
Temperature range [℃]	Below room temp 15− 100	Room temp−100	Below room temp 25− 110
Temperature Setting range [℃]	0−100	15−100	−5−110
Temperature control accuracy@20−45 [℃]	± 0.5	± 0.5	± 0.5
Temperature uniformity@20−45 [℃]	± 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℃/min	5.5℃/min	5.5℃/min
Max Cooling speed	5℃/min（100℃−room temp）0.5℃/min（below room temp）	–	2.5℃/min（100℃−room temp）0.5℃/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 [℃]	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 [℃]	10−40	10−40	10−40
Operating humidity [% RH]	＜80	＜80	＜80

Blocks
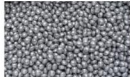
H100−Pro/HC110−Pro/HCM100−Pro/HM100−Pro

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	0.2mL × 8 PCR strips or 0.2mL × 96 PCR microplate	ELISA microplate
Speed	1500rpm	1500rpm	1500rpm	1500rpm	1400rpm	800rpm	600rpm	1500rpm	1500rpm

HB120−S/HB120−SC

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 tube×45	0.2mL × 8 PCR strips or 0.2mL × 96 PCR 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	5mLx12	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

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