

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 [$^{\circ}\text{C}$]	Below room temp 15– 100	Room temp–100	Below room temp 25– 110
Temperature Setting range [$^{\circ}\text{C}$]	0–100	15–100	-5 –110
Temperature control accuracy@20–45 [$^{\circ}\text{C}$]	± 0.5	± 0.5	± 0.5
Temperature uniformity@20–45 [$^{\circ}\text{C}$]	± 0.5	± 0.5	± 0.5
Power [W]	200	200	200
Time setting range	0min~99h30min	0min~99h30min	0min~99h30min
Max Heating speed	$5.5^{\circ}\text{C}/\text{min}$	$5.5^{\circ}\text{C}/\text{min}$	$5.5^{\circ}\text{C}/\text{min}$
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