

Thermo Control

HM100-Pro

Thermo Mix series integrates precise and efficient heating & cooling and mixing function



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	HM100-Pro
Functions	Heating&mixing
Temperature range [°C]	Room temp-100
Temperature Setting range [°C]	15-100
Temperature control accuracy@20-45 [°C]	±0.5
Temperature uniformity@20-45 [°C]	±0.5
Power [W]	200
Time setting range	0min~99h30min
Max Heating speed	5.5°C/min
Max Cooling speed	-
Mixing speed [rpm]	200-1500
Mixing orbit [mm]	3
Display	TFT
Program	9
Overheating protection [°C]	150
Voltage,Frequency	110/220V, 50/60HZ
Dimension [mm]	200x235X120
Weight [kg]	7.3
Operating temperature [°C]	10-40
Operating humidity [% RH]	<80



Temperature protection
Block equipped with a lid for heat preservation

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.

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
	Mechanical fixation	—	—	—	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
Speed		1500rpm	800rpm	600rpm	1500rpm	1500rpm
Diameter×depth		12×20.5mm	16.9×80mm	29.6×80mm	5.7×13.2mm	127×85mm

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	—	—
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	18900746	18900546	—
	Thin	—	18900278	18900279	—	—	18900504
Block types							
Capacity		50mL×8	0.2mL+0.5mL +1.5/2mL 18+18+18	microplate	Deep well Plate	5mL blood collection tubex45	0.2mL×8 PCR strips or 0.2mL×96 PCR microplate
Diameter×depth		29.8×48mm	Each capacity	127×85mm	137×86.5×42mm	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

