

The Thermo Mix series implement precise and efficient heating and mixing, with excellent temperature accuracy and uniformity, offering a wide range of applications, such as gene synthesis, gene purification, gene and protein denaturation, enzymatic reaction, bacterial culture, etc.



## HCM100-Pro & HM100-Pro Thermo Mix

### Features

- Clear and easy-to-read TFT screen.
- Excellent performance for temperature controlled mixing applications.
- Up to 9 user define programs.
- A wide range of heating blocks to accommodate tubes with different capacities.
- Aluminum heating blocks enhance heat transfer.
- Easily interchangeable blocks with magnetic adhesion and without any tools..
- A transparent plastic lid is available to better preserve the temperature.

### Specifications

	HCM100-Pro	HM100-Pro
Functions	Heating, cooling & mixing	Heating & mixing
Temperature range	15 degrees below room temp. (No less than 0°C) - 100°C	Heating: room temp. - 100 °C
Temperature control accuracy[@ 20-45°C]	± 0.5°C	± 0.5°C
Temperature setting range	0.1-100°C	15-100°C
Temperature uniformity[@ 20-45°C]	Max. ± 0.5°C	Max. ± 0.5 °C
Max. heating rate	5.5°C/min	5.5°C/min
Max. cooling rate	5°C /min(100°C-room temp.) 0.5°C/min(below room temp.)	-
Mixing speed	200-1500rpm	200-1500rpm
Mixing orbit	φ3mm	φ3mm
Display	TFT	TFT
Memory	Up to 9 programs	Up to 9 programs
Overheating protection	150°C	150°C
Heating block material	Aluminum	Aluminum
Voltage	100-240V, 50Hz/60Hz	100-240V, 50Hz/60Hz
Power	200W	200W
Dimension[WxDxH] (without the heating block )	200x235x120mm	200x235x120mm
Weight	7.3kg	7.3kg



## HC110-Pro Dry Bath with Cooling

### Features

- Clear and easy-to-read TFT screen.
- Suitable for heating and cooling.
- Up to 9 user define programs.
- Control temperature from 25 degrees below room temp. (No less than -5°C) to 110°C.
- A wide range of heating blocks to accommodate tubes with different capacities.
- Aluminum heating blocks enhance heat transfer.
- Quick replace of blocks with magnet adhesion without any tools.
- A transparent plastic Lid is available to better preserve the temperature.

Cat.No.	Blocks	Speed	Capacity	Diameter x Depth
18900401		1500rpm	24x0.5mL	8.1x26mm
18900402		1500rpm	24x1.5mL	10.9x30.8mm
18900403		1500rpm	24x2mL	10.9x30.8mm
18900404		1500rpm	8x5mL (round bottom)	13.6x42mm
18900405		1400rpm	8x5mL (cone bottom)	17x51.5mm
18900406		800rpm	8x15mL	16.9x80mm
18900407		600rpm	4x50mL	29.6x80mm
18900420		1500rpm	0.2mLx96 PCR plate	-
18900423		1500rpm	microplate	-

### Specifications

	HC110-Pro
Functions	Heating & cooling
Temperature range	Heating: room temp. - 110°C Cooling: room temp. - below room temp. 25°C
Temperature setting range	-5~110°C
Specifications	
Temperature control accuracy	± 0.5°C
[@20~45°C]	
Temperature uniformity[@20~45°C]	Max ± 0.5°C
Max. heating rate	5.5°C/min 2.5°C/min
Max. cooling rate	(100°C-room temp.) 0.5°C/min (below room temp.)
Display	TFT
Memory	Up to 9 programs
Overheating protection	150°C
Heating block material	aluminum
Voltage	100~240V,50/60Hz
Power	200W
Dimension[WxDxH] (without the heating block)	200x235x120mm
Weight	7.3kg

