



### Description :

LH100 / LH200 Lab Heat Shaker is a temperature controlled shaker, which is useful for a variety of molecular biology applications. Speed, time and temperature settings are continuously visible on the LCD, simultaneously showing both actual and selected values. Integral over-temperature control ensures long time, safety and sample integrity.

### Product Features :

- LCD display. It is easy to setup and use.
- Reliable design with inner extra temperature protection.
- Each device is equipped with lifter that is easy to replace different blocks.
- Digital accuracy and convenience.
- Precision wells for uniform thermal transfer.
- Assorted blocks for a wide variety of tube sizes.
- Brushless DC Motor: noiseless long service life maintenance-free.
- Accurately control and display time, temperature and speed.

## Applications :

- Maintaining 14°C for ligation reactions. (LH200)
- Maintaining 17°C for storing oocytes. (LH200)
- Storing samples at ice bucket temperatures.
- Storing enzymes or DNA libraries at your work station.
- Transporting samples from the field at exactly the right temperature.
- Heating samples in the field.
- Enzyme reactions and deactivations.
- PCR sample preparation.

## Parameters :

Model	LH100	LH200
Temp setting range	0-100°C	0-100°C
Temp control range	RT+5°C-100°C	RT.-20°C-100°C
Time range	1min - 99h59min/∞	1min - 99h59min/∞
Temp accuracy	≤±0.3°C	≤±0.3°C
Display accuracy	0.1°C	0.1°C
Temp uniformity	≤±0.3°C	≤±0.3°C
Speed range	200-1800rpm	200-1500rpm
Orbit	3mm	3mm
Heating time	≤12min(from 25°C to 100°C)	≤15min(from 25°C to 100°C)
Cooling time1		≤10min(from 100°C to 25°C)
Cooling time2		≤20min(from RT. to RT.-20°C)
Multi point running	Yes(Max 5points)	Yes(Max 5points)
Multi cycle	Yes(Max 99times)	Yes(Max 99times)
Auto heating	Yes	Yes
Auto running	Yes	Yes
Auto resume to run	Yes	Yes
Storage at 4°C		Yes
Power supply	150W	150W
Voltage	AC220V or AC110V/50-60Hz	AC110V~220V/50-60Hz
Fuse	250V 3A Φ5×20	250V 3A Φ5×20
Dimension(mm)	260x195x150	260x195x150
Weight	7.5kg	7.0kg

**Optional Blocks :**

Type	Capacity	Temp range	Max Speed (LH100)	Max Speed (LH200)
DB0	96x0.2ml	0-100°C	1800rpm	1500rpm
DB1	54x0.5ml	0-100°C	1800rpm	1500rpm
DB2	35x1.5ml	0-100°C	1800rpm	1500rpm
DB3	35x2.0ml	0-100°C	1800rpm	1500rpm
DB4	20x1.5ml+15x0.5ml	0-100°C	1800rpm	1500rpm
DB5	96x0.2ml	0-100°C	1800rpm	1500rpm
DB6	24x5ml	0-100°C	1000rpm	1000rpm
DB7	15x10ml	0-100°C	1000rpm	1000rpm
DB8	12x15ml	0-100°C	1000rpm	800rpm
DB9	6x50ml	0-100°C	800rpm	800rpm