Thermal Control

Digital Dry Bath

The microprocessor controlled Digital Dry Baths offer control over both temperature and time, eliminating the need for an external thermometer or timer.
Used to thaw, boil, incubate and warm samples for different applications in molecular biology, assay preparation, tissue/cell culture, biochemistry, genetics, histology, clinical, environmental and industrial laboratories.

Dry Bath Series

Block Heater T105/Block Heater T150/Block Heater T120 Basic/Block Heater T120/Block Heater T60/Block Heater T100

Small footprint. Rapid & accurate temperature control. Overheating protection. Accommodates various types of tube holders to meet every lab need.
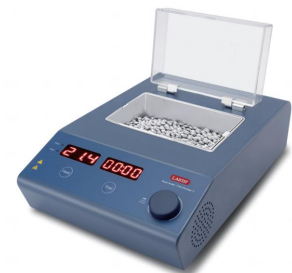
Block Heater T105

Block Heater T105
（Package 1）

Block Heater T150

Block Heater T150
（Package 1）

Block Heater T120 Basic/
Block Heater T120

Block Heater T60

ThermoStat T100+ Mini

Block Heater T100

Features

- Accurate and uniform temperature control
- Digital control and display of time and temperature
- Wide range of temperature control for different applications
- Monitor temperature in real-time, and set timer
- Wide range of heating blocks compatible with most popular lab tubes
- Overheating protection ensures sample and user safety
- Equipped with a lid for heat preservation, and preventing pollution
- User-friendly setting knob for easy and simple operation

Block Heater T105
Block Heater T105 （Package 1）
Block Heater T150
Block Heater T150 （Package 1）

Durable, reliable safe and convenient to use

Features

- Single and double heat block modules available
- Highest temperature up to 150°C
- Buzzer alert when the time is up
- External temperature sensor PT1000

Block Heater T120 Basic/
Block Heater T120/
Block Heater T60

Easy to use, safe and durable

Features

- Low profile - space saving design
- Timer function support available
- Discrete heating temperature levels: 25°C, 30°C, 37°C, 45°C, 60°C (Block Heater T60)
- 5mL×30+10 mL×8 dual purpose heating block
- Temperature calibration function inbuilt for users (Block Heater T120)

Specifications	Block Heater T100	Block Heater T105 Block Heater T105 （Package 1）	Block Heater T150 Block Heater T150 （Package 1）	Block Heater T120 Basic	Block Heater T60
Temperature range[°C]	Room temp+5-100	Room temp+5-105	Room temp+5-150	Room temp+5-120	Room temp+5-60
Temperature Setting range [°C]	15-100	25-105	25-150	25-120	5 gears:25, 30, 37,45,60
Temperature control accuracy[°C]	±0.5	25-90: ±0.3 90-105: ±0.6	25-90: ±0.3 90-150: ±0.6	±0.5	±0.5
Temperature uniformity@ 37°C[°C]	±0.5	±0.2	±0.2	±0.5	±0.3
Power [W]	200	Block Heater 105:100 Block Heater T105 (Package 1):200	Block Heater T150:100 Block Heater T150 (Package 1):200	160	160
Time setting range	0min~99h30min	0min~99h59min	0min~99h59min	0min~99h30min	0min~99h30min
External sensor	-	Yes	Yes	-	-
Display	TFT	LED	LED	LED	LED
Voltage,Frequency	110/220V,50/60HZ	110/220V,50/60HZ	110/220V,50/60HZ	110/220V,50/60HZ	110/220V,50/60HZ
External Dimension[WxDxH]	200x235X120	290x210X120	290x210X120	175X290X85	175X290X85
Weight（kg）	7.3	3.2	3.2	3	2.5
Operating temperature[°C]	10-40	10-40	10-40	10-40	10-40
Operating humidity[% RH]	<80	<80	<80	<80	<80

Blocks

Block Heater T100/ThermoStat T110/ThermoShaker T100/ThermoShaker T100 Basic

Cat.No	922801	922802	922803	922804	922805	922806	922807	922808	922809
Block types									
Capacity	0.5 mL×24	1.5 mL×24	2mL×24	5mL×8 round bottom	5mL×8 cone bottom	15 mL×8	50 mL×4	0.2 mL×8 PCR strips or 0.2 mL×96 PCR microplate	ELISA microplate
Speed	1500rpm	1500rpm	1500rpm	1500rpm	1400rpm	800rpm	600rpm	1500rpm	1500rpm

Block Heater T120 Basic/Block Heater T120

Cat.No	Standard	922401	922402	922403	922404	922406	922407	922409	922408	922405	—
	Thin	922410	922411	922412	922413	—	—	922414	922415	—	922416
Block types											
Capacity		0.2 mL×54	0.5 mL×40	1.5 mL×40	2mL×40	5/15 mL×28	50 mL×8	0.2 mL+0.5 mL +1.5/2 mL 18+18+18	microplate	5mL blood collection tubex45	0.2 mL×8 PCR strips or 0.2 mL×96 PCR microplate

Capacity	Cat. No.922417
Two-in-one block, bead bath/water bath Adapt to S2	

Capacity	Cat. No.922418
Aluminum beads	

Block Heater T105 /Block Heater T105(Package 1）/Block Heater T150 /Block Heater T150(Package 1)

Cat.No	922601	922604	922602	922603	922605	922606	922607	922608	922417	922418
Block types										
Capacity	0.2 mL×30	0.5 mL×20	1.5 mL×20	2mL×20	5mLx12	15 mL×12	50 mL×4	Dual purpose block,bead bath/water bath Adapt to S1	Dual purpose block,bead bath/water bath Adapt to S2	Aluminum beads

ThermoStat T100+ Mini/ThermoStat T100 Mini/Block Heater T100 Mini

Cat.No	923001	923002	923003	923004	923005	923006	923007
Block types							
Capacity	0.2 mL×40	0.5 mL×24	1.5 mL×15	2mL×15	5mL×6	15 mL×4	50 mL×2
Diameter ×depth	6.4×20 mm	8.2×28.4mm	11.2×31mm	11×31mm	17×31mm	16.4×45mm	29×45mm

Dry bath provides precise temperature for various experiments. ThermoShaker also has mixing function, and widely used in various fields such as molecular biology and cell biology, including gene synthesis, gene purification, gene cloning, gene expression, protein expression analysis , enzyme reaction, bacterial growth and so on.

List of models:

Model	Image	Function	Temp. Setting Range	Mixing speed	Blocks
Block Heater T60		Heating	25°C,30°C, 37°C,45°C,60°C	-	5mL×30+10 mL×8
Block Heater T120 Basic/ Block Heater T120		Heating	25°C-120°C	-	0.2mL×54 0.5mL×40 1.5/2mL×40 5/15mL×28 5mL blood collection tube×45 50mL×8 (0.2mL+0.5mL+1.5/2mL) ×18 0.2mL×96 PCR Microplate ELISA Microplate Bead/Water bath
Block Heater T105/ Block Heater T105 (Package 1)		Heating	25°C-105°C	-	0.2mL×30 0.5mL×20 1.5mL×20 2mL×20 5mL×12 15mL×12 50mL×4 Bead/Water bath
Block Heater T150/ Block Heater T150 (Package 1)		Heating	25°C-150°C	-	
Block Heater T100		Heating	25°C-100°C	-	0.5mL×24 1.5mL×24 2mL×24 5mL×8(Round/Cone Bottom) 15mL×8 50mL×4 0.2mL×96 PCR Microplate ELISA Microplate
ThermoStat T110		Heating&Cooling	-5°C-110°C	-	
ThermoShaker T100		Heating& Cooling&Mixing	0°C-100°C	200-1500rpm	
ThermoShaker T100 Basic		Heating&mixing	15°C-100°C	200-1500rpm	
Block Heater T100 Mini		Heating	25°C-100°C	-	0.2mL×40 0.5mL×24 1.5mL×15 2mL×15 5mL×6 15mL×4 50mL×2
ThermoStat T100 Mini		Heating&Cooling	0°C-100°C	-	
ThermoStat T100+ Mini		Heating&Cooling (with hot lid)	0°C-100°C	-	