

THERMO SHAKER INCUBATOR



THERMO SHAKER INCUBATOR

The unique design principle which combines mixing and shaking with intelligent control makes its operation simpler, safe, and convenient. It is compact, highly-efficient and consists of several features including intelligent programming for easy and accurate operation results. It is primarily used to mix different micro capacity tube, PCR plate, micro-titer plate and other laboratory equipment.

Used in Incubation, Cultivation, Re-suspending Pellets, Denaturation, PCR preparations, ELISA Assays, Colorimetric Assays, Enzyme, Protein Analysis.

Also known as Thermo Shaker, Lab Shaker, Thermo Shaker Incubator, Laboratory Thermo Shaker Incubator.

SHA71 THERMO SHAKER INCUBATOR

Optimized 2D mixing designed for simultaneous mixing and vortexing applications

Pre-programmed soft keys and reliable universal holder

Automatic imbalance detection and anti-spill technology

Mixing in a 3-in-1 format: Plates (up to 96-well and 384-well formats), Micro-Tubes, vortexing numerous tube formats

Custom blocks available for different experiment needs



SPECIFICATIONS

Model	SHA71-2000	SHA71-1600
Speed Range	300-2000 rpm	300-1500 rpm
Temp. Control Range	R.T.+5°C~100°C	0°C~100°C
Temp. Setting Range	5°C ~100°C	0°C ~100°C
Temp. Stability	±0.3°C	
Shaking Orbit	3 mm (horizontal)	3mm (horizontal)
Block Temp. Uniformity	±0.3°C	
Temp. Display Accuracy	0.1°C	
Heating Speed	≤15min (20°C to 100°C)	≤15 min (20°C to 100°C)
Timing Range	1 min~99 h 59 min	1min~99h59min or continuous
Voltage	AC 220 V / AC 110 V, 50/60 Hz	AC 100 V~230 V, 50/60 Hz
Power	200 W	200W
Fuse	250 V, 2A/3A, φ5x20	250 V, 3 A, φ5x20
Dimension	W.196 x D.270x H.170mm	
Net Weight	8.2 kgs	8.8 kgs
Temp. Max. Decrease	-	R.T. decreases 20°C@R.T. 26°C
Cooling time	-	≤30 min (R.T. decreases 20°C) @R.T. 26°C
Cooling speed	-	≥7°C/min(100°C drop to 20°C)≥1.2°C/min(R.T. decreases10°C)

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Max Temperature
1901805005	Block A	96x0.2 ml PCR plate	100°C
1901805006	Block B	54x0.5 ml	100°C
1901805007	Block C	35x1.5 ml	100°C
1901805008	Block D	35x2.0 ml	100°C
1901805009	Block E	20x0.5 ml+15x1.5 ml	100°C
1901805010	Block F	24xdia.≤Φ12 mm	100°C
1901805011	Block G	32x0.2 ml+25x1.5 ml	100°C
1901805012	Block H	32x0.2 ml+10x0.5 ml+15x1.5 ml	100°C
1901805013	Block I	103x67x30 mm (water bath block)	100°C
1901805014	Block J	flat block	100°C
1901805015	Block K	24x5 ml (non-standard max. speed 600 rpm)	100°C
1901805016	Block L	12x15 ml (non-standard max. speed 600 rpm)	100°C
1901805017	Block M	6x50 ml (non-standard max. speed 600 rpm)	100°C
1901805018	Block N	Customized	100°C
1901805019	Cover A	Suit for block A ~I J	
1901805020	Cover B	Suit for block J K L M	
1901805021	Tube Stand A	96x0.2 ml tube stand	
1901805022	Tube Stand B	24x0.5 ml tube stand	
1901805023	Tube Stand C	24x1.5/2.0 ml tube stand	



SHA71-2000



SHA71-1600

SHA73 THERMO SHAKER INCUBATOR

Optimized 2D mixing designed for simultaneous mixing and vortexing applications

Pre-programmed soft keys and reliable universal holder

Automatic imbalance detection and anti-spill technology

Mixing in a 3-in-1 format: Plates (up to 96-well and 384-well formats), Micro-Tubes, Vortexing numerous tube formats

Custom blocks available for different experiment needs



SPECIFICATIONS

Model	SHA73-3000	SHA73-2000
Speed Range	300-3000 rpm	300~2000 rpm
Temperature	RT+5-100°C	
Temperature Accuracy	0.5°C	
Temperature Resolution	0.1°C	
Vortex Shaking Speed	None	
Speed Increment	10 rpm	
Shaking Orbit	2 mm	3 mm
Time of Heating	≤12 min	
Time of Cooling	No cooling function	
Timing Range	1min ~ 99h59 min	
Motion	Orbital	
Overall Dimension	230x170x165 mm	
Weight	5.5 kg	
Power	150 W	
Power Supply	230 V, 60 Hz	



SHA73-3000



SHA73-2000

SHA72-1500 THERMO SHAKER INCUBATOR

Optimized 2D mixing designed for simultaneous mixing and vortexing applications

Pre-programmed soft keys and reliable universal holder

Automatic imbalance detection and anti-spill technology

Mixing in a 3-in-1 format: Plates (up to 96-well and 384-well formats), Micro-Tubes, vortexing numerous tube formats

Custom blocks available for different experiment needs



SPECIFICATIONS

Model	SHA72-1500
Speed Range	200-1500 rpm
Temperature	5-100°C
Temperature Accuracy	< ± 0.5°C

Temperature Resolution	0.1°C
Vortex Shaking Speed	None
Shaking Orbit	4 mm
Time of Heating	≤15 min (from 20°C to 100°C)
Time of Cooling	No cooling function
Timing Range	1 min~99 h59 min
Motion	Orbital
Overall Dimension	300x220x170 mm
Weight	7 kg
Power	150 W
Power Supply	AC220 V 50/60 Hz or AC120 V 50/60 Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description
1901907005	Block	54x0.5 ml
1901907006	Block	35x1.5 ml
1901907007	Block	35x2.0 ml
1901907008	Block	15x0.5 ml+20x1.5 ml
1901907009	Block	24xDia.≤φ12 mm tube
1901907010	Block	103x67x30 Rectangular bath block
1901907011	Block	96 wells microplate

Accessory Code	Name	Description
1901907012	Block	24x5.0ml tubes
1901907013	Block	15x5.0 ml Eppendorf tubes
1901907014	Block	96x0.2 ml
1901907015	Block	12x15 ml Falcon tube
1901907016	Block	6x50 ml Falcon tube
1901907017	Block	96-Deep well microplate

SHA74-1500 THERMO SHAKER INCUBATOR

Optimized 2D mixing designed for simultaneous mixing and vortexing applications

Pre-programmed soft keys and reliable universal holder

Automatic imbalance detection and anti-spill technology

Mixing in a 3-in-1 format: Plates (up to 96-well and 384-well formats), Micro-Tubes, vortexing numerous tube formats

Custom blocks available for different experiment needs



SPECIFICATIONS

Model	SHA74-1500
Speed Range	200-1500 rpm
Temperature	0-100°C
Temperature Accuracy	<± 0.5°C
Temperature Resolution	0.1°C
Vortex Shaking Speed	200-1500 rpm
Shaking Orbit	3 mm
Time of Heating	≤20 min (from 20°C to 100°C)

Time of Cooling	≤25 min (from ambient to ambient -20°C)
Timing Range	1 min~99 h59 min
Motion	Orbital
Overall Dimension	300x220x170 mm
Weight	8.5 kg
Power	150 W
Power Supply	AC220 V 50/60 Hz or AC120 V 50/60 Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description
1901907005	Block	54x0.5 ml
1901907006	Block	35x1.5 ml
1901907007	Block	35x2.0 ml
1901907008	Block	15x0.5 ml+20x1.5 ml
1901907009	Block	24xDia.≤φ12 mm tube
1901907010	Block	103x67x30 Rectangular bath block
1901907011	Block	96 wells microplate

Accessory Code	Name	Description
1901907012	Block	24x5.0ml tubes
1901907013	Block	15x5.0 ml Eppendorf tubes
1901907014	Block	96x0.2 ml
1901907015	Block	12x15 ml Falcon tube
1901907016	Block	6x50 ml Falcon tube
1901907017	Block	96-Deep well microplate

SHA75-1500 THERMO SHAKER INCUBATOR

Excellent mixing result

Stable and wide range of speed adjustment

A combination of heating & mixing in one instrument

Flexible adapter selection 8 types of blocks, compatible with most universally used tubes within 0.2mL-50mL volume range

Timer function support is available



SPECIFICATIONS

Model	SHA75-1500
Speed Range	300-1500 rpm
Temperature	Heating: RT.-100°C
Temperature Accuracy	±0.5°C @20-45°C
Temperature Uniformity	Max.±0.5°C @20-45°C
Over Temperature Protection	150°C
Functions	Heating & Mixing
Maximum Heating Rate	5.5°C/min
Overall Dimension	200x235x120 mm
Weight	7.3 kg
Power	200 W
Power Supply	100-120 V/220-240 V,50 Hz/60 Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description
1901909005	Heating block	Used for 0.5 mL tubes; 24 holes
1901909006	Heating block	Used for 1.5 mL tubes; 24 holes
1901909007	Heating block	Used for 2 mL tubes; 24 holes
1901909008	Heating block	Used for 5 mL tubes; 8 holes

Accessory Code	Name	Description
1901909009	Heating block	Used for 0.2 ml / 96 well PCR plate
1901909010	Heating block	Used for 96 / 384 microplate
1901909011	Heating block	Used for 15 mL tubes; 8 holes
1901909012	Heating block	Used for 50 mL tubes; 4 holes

SHA75-1500CR THERMO SHAKER INCUBATOR

Excellent mixing result

3-in-1 instrument with heating, cooling and mixing

Flexible adapter selection 8 types of blocks, compatible with most universally used tubes within 0.2mL-50mL volume range

Timer function support is available

Overheating protection and auto-recognition of blocks



SPECIFICATIONS

Model	SHA75-1500CR
Speed Range	300-1500 rpm
Temperature	Heating: RT-100°C
Cooling	
RT -below RT.15°C	Temperature Accuracy
±0.5°C @20-45°C	Temperature Uniformity
Max.±0.5°C @20-45°C	Temperature Precision
150°C	Display Accuracy
Heating, Cooling &Mixing	Maximum Heating Rate
5.5°C/min	Maximum Cooling Rate
5°C/ min(110°C-RT.) 0.5°C/ min(RT.)	Humidity Range
200x235x120 mm	Weight
7.3 kg	Power
200 W	Power Supply

OPTIONAL ACCESSORIES

Accessory Code	Name	Description
1901909005	Heating block	Used for 0.5 mL tubes; 24 holes
1901909006	Heating block	Used for 1.5 mL tubes; 24 holes

Accessory Code	Name	Description
1901909009	Heating block	Used for 0.2 ml / 96 well PCR plate
1901909010	Heating block	Used for 96 / 384 microplate
1901909011	Heating block	Used for 15 mL tubes; 8 holes

1901909007	Heating block	Used for 2 mL tubes; 24 holes
1901909008	Heating block	Used for 5 mL tubes; 8 holes

1901909012	Heating block	Used for 50 mL tubes; 4 holes
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