Shaking Water Bath SB-1210, 220V/50Hz



The Iris Water Bath Shakers offers optimal convenience for the user with touch screen keypad with digital display the Temperature and speed. The SB-1000 Series shaking water baths are ideal for mixing and shaking samples at specific temperature from 0 ~ 100℃ in hybridization, bacterial culturing, cell aeration and molecular biology assays. The Iris shaking water baths is designed with Cutting-edge microprocessor technology and PID temperature control ensures optimal temperature stability in the water bath and suitable for continuous unsupervised operation.

Iris shaking water bath provide quiet, maintenance-free shaking under a precisely controlled and reproducible temperature environment. The SB-1000 is available in 21L, 35L or 45L with option of temperature range from 0 to 100℃ or Ambient+5℃ to 100℃ to accommodate flasks up to 5 litres. The bath tank and all parts that contact the bath liquid are made of high-quality stainless steel.

Ideal for chemistry, chemical engineering, cell culture, biological samples, yeast, soil extraction and general applications that requires stable and reproducible temperature and mixing condition.

- Microprocessor-controlled
- Temperature range from 0 to 100℃ or Ambient+5℃ to 100℃
- Accurate temperature control
- PID controlled speed and temperature with LED digital display
- Integrated Digital Control
- Integrated precision temperature control within ± 0.1℃ and reciprocal shaking motion from 20 ~ 120 rpm with a stroke length of 25 mm
- Dual digital LED display PV and SV value and selection of temperature, speed and time display.
- Temperature and shaking can be controlled together or independently with wait-off timer
- Acceleration and reduction speed rate is adjustable
- Over temperature cut-off, electrical leakage breaker
- Made with SUS 304 stainless steel body with powder coating
- Stainless steel tank
- Touch screen and digital display the Temperature and speed
- Overheat and over low protector
- Smooth and quiet shaking
- Sensor is using the PT-100Ω
- Shaking have timer function with 999,h/m/s
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- With drainage stopcock for easy cleaning
- Supplied with one set of clamps
- Corrosion resistant seamless stainless steel 304 (AISI304) internal bath gabled lid

Technical Specification:

Temperature Control Range (°C)	Ambient +5℃~100℃
Model	SB-1210
Capacity (liters)	21L
Temp. Accuracy (℃)	±0.1℃
Temperature Controller	Screen-touch panel, micro-computer PID controller
Temp. Display	Touch screen/ digital display of temperature and speed
Heating System	1200W
Inside Dimensions (WxDxH) mm	500 x 290 x 150 mm
Overall Dimensions (WxDxH) mm	710 x 350 x 330 mm
Electrical Requirements	220V/50Hz
Catalogue No.	1004505-2
Shaking Plate Dimensions (WxD) mm	300 x 250 mm
Shaking Throw (mm)	0.5"~1.5" (Adjustable)

Technical Data:

Model	SB-1210		SB-1210R		SB-1350		SB-1350R		SB-1450	
Temperature Range (?)	Ambient+5?~100?		0~100?		Ambient+5?~100?		0~100?		Ambient+5?~100?	
Temperature Control	PID									
Temperature Display	LED									
Temperature Accuracy (?)	±0.1?									
Refrigerator	N/A		1/4 HP		N/A		1/4 HP		N/A	
Shaking Speed (rpm)	20~200									
Shaking Width (mm)	0.5"~1.5"(Adjustable)									
Volume (liters)	21 L		21 L		35 L		35 L		45 L	
Heater (W)	1200		1200		1600		1600		1200	
Shaking Plate (WxD) mm	300x250		300x250		400x300		400x300		450x290	
Inside Dimension (WxDxH) mm	500x290x150		500x290x150		600x350x175		600x350x175		460*405*200	
Outside Dimension (WxDxH) mm	710x350x330		710x350x630		820x400x340		820x400x500		740*530*450	
Net Weight (kg)										
Gross Weight (kg)										
Electrical Requirement	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	1004505-1	1004505-2	1004510-1	1004510-2	1004515-1	1004515-2	1004520-1	1004520-2	1004525-1	1004525-2

Flask Capacity:

Model	125ml	250ml	500ml	1000ml	2000ml	3000ml	5000
SB-1210/ SB-1210R	12	6	4	2	2	1	-
SB-1350/ SB-1350R	24	15	8	6	2	2	1
SB-1450	24	15	12	6	6	2	1



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