Shaking Heating Bath

More precise and stable shaking and temperature control.

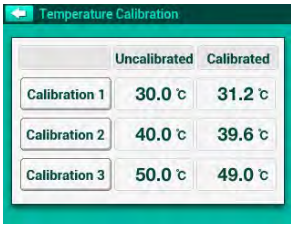
Structural Functional Features

- Precise rpm(Max 200rpm) and temperature(Max 100°C) control with superior accuracy.
- Excellent temperature distribution through stirring motion. (50°C±0.1°C)
- Better performance with 3-points temperature calibration and 1-point shaking calibration.
- Stable shaking ability minimizes vibration under high loads.
- PID control optimal for the bath.
- Bath structure with a smooth and circulatory flow of water.
- Extended height for larger sample volumes (maximum 2.8L of flasks).

BS2-10

Use Convenience Features

- Real-time temperature and rpm control through mobile monitoring system(option)
- Scheduling optimization through an automatic on/off timer (up to a maximum of 999 hours and 59 minutes).
- Easy operation and monitoring with a touch color display.
- Drain port of high accessibility located on the side.
- Real-time monitoring and control of RPM even while in operation.

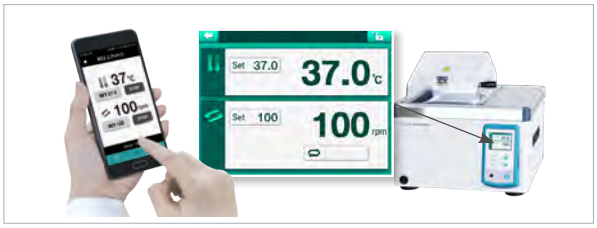


3-point calibration

Visual monitoring and control of RPM during operation

Outstanding Safety

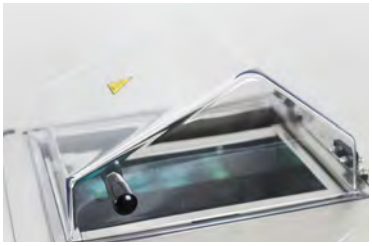
- Audio and visual alarms ring when there is not enough water to prevent overheating.
- Alarm when temperature and speed deviation occur or abnormal condition of temperature sensor.
- Over-current and short circuit protection of device.



Real-time monitoring and control via mobile (option)

Inner Gable Cover

- Minimizes evaporation by using the mounted gable cover.
- Gable roof-shape interior prevents condensed water from falling onto specimen
- Open and close smoothly by applying torque hinge technology.



Spring Wire Rack

- Excellent corrosion resistance as made from stainless steel (1ea: standard)
- Easy to maintain as structure makes for convenient attachment to body.
- It has a lattice-shaped double spring structure, which makes it easy to fix various kinds of experiment containers and the height can also be easily adjusted.

Cat. No.	Model
AAA44571	BS2-10
AAA44572	BS2-15
AAA44573	BS2-20
AAA44574	BS2-30

Specification

Model		BS2-10	BS2-15	BS2-20	BS2-30
Bath volume (L / cu ft)		17 / 0.6	26 / 0.9	37 / 1.3	55 / 1.9
Temperature	Working temp. range (℃ / ℉)	Amb. +5 to 100 / Amb. +9 to 212	Amb. +5 to 100 / Amb. +9 to 212	Amb. +5 to 100 / Amb. +9 to 212	Amb. +5 to 100 / Amb. +9 to 212
	Temp. stability at 50℃ (± ℃ / ℉)	0.1 / 0.18	0.1 / 0.18	0.1 / 0.18	0.1 / 0.18
Shaking system	Motion type	Reciprocal	Reciprocal	Reciprocal	Reciprocal
	Frequency (rpm)	30 to 200	30 to 200	30 to 200	30 to 200
	Stroke length (mm / inch)	25 / 0.98	25 / 0.98	30 / 1.18	30 / 1.18
Dimension	Bath opening, depth (W x L, D) (mm / inch)	143 x 269, 192 / 5.6 x 10.6, 7.6	263 x 269, 192 / 10.4 x 10.6, 7.6	415 x 269, 192 / 16.3 x 10.6, 7.6	565 x 319, 192 / 22.2 x 12.6, 7.6
	Exterior (W x L x H) (mm / inch)	474 x 417 x 426 / 18.7 x 16.4 x 16.8	594 x 417 x 426 / 23.5 x 16.4 x 16.8	746 x 417 x 426 / 29.4 x 16.4 x 16.8	882 x 467 x 426 / 34.7 x 18.4 x 16.8
	Net weight (kg / lbs)	23 / 51	27 / 60	31 / 68	38 / 84
Electrical requirements (230V/60Hz, A)		3.7	4.6	8.9	8.9
Cat. No.		**AAH44105K**	**AAH44155K**	**AAH44205K**	**AAH44305K**
Electrical requirements (120V, 60Hz, A)		7.1	8.8	-	-
Cat. No.		**AAH44103U**	**AAH44153U**	**-**	**-**

※ The lowest controllable temperature depends on variations in room and sample temperatures. Please contact technical support for consultation before purchasing.
※ Technical data (according to DIN 12876)
※ Bath fluid : Water

Accessories

Flask Clamp

- Clamp being able to hold an erlenmeyer flask.
- Excellent durability as made of stainless steel.
- Equipped with flask clamps of the desired size/ quantity on the universal platform and used inside the bath.

Cat. No.	Flask Clamp	Max. Mountable Flask Clamps			
		BS2-10	BS2-15	BS2-20	BS2-30
AAA23550	50 ml	9	12	20	32
AAA23551	100 ml	3	9	15	24
AAA23552	250 ml	2	4	8	12
AAA23556	300 ml	2	4	8	12
AAA23553	500 ml	2	4	6	12
AAA23554	1 L	1	2	4	6
AAA23555	2 L[1)]	-	1	2	3
AAA23557	2.8 L[1)]	-	1	1	2

1) 2 L and 2.8 L flasks can be used with the bath cover opened.

Universal Platform

- Accessories for mounting flask clamp, test tube rack, etc. inside bath.
- Can be used instead of the spring part in the spring wire rack.

Cat. No.	Model
AAA44521	BS2-10
AAA44522	BS2-15
AAA44523	BS2-20
AAA44524	BS2-30

Dedicated Platform

- Set of 250 ml/500 ml flask clamps mounted on Universal Platform.
- Can be used instead of the spring part in the spring wire rack.

Cat. No.	Flask Clamps	Model
AAA44531	250 ml x 2ea	BS2-10
AAA44532	500 ml x 2ea	
AAA44541	250 ml x 4ea	BS2-15
AAA44542	500 ml x 4ea	
AAA44551	250 ml x 8ea	BS2-20
AAA44552	500 ml x 6ea	
AAA44561	250 ml x 12ea	BS2-30
AAA44562	500 ml x 12ea	

Test Tube Rack

- Fix test tubes of various sizes.
- Excellent durability as made of stainless steel.
- Structure allows tilt adjustment.
- Can be used instead of the spring part in the spring wire rack.

Cat. No.	Description (mm / inch)	Max. Quantity of Racks
AAA44581	ø8 / ø0.3 x 86 Tubes	BS2-10 : 1ea BS2-15 : 2ea BS2-20 : 3ea BS2-30 : 4ea
AAA44582	ø10 / ø0.4 x 86 Tubes	
AAA44583	ø12 / ø0.5 x 58 Tubes	
AAA44585	ø16 / ø0.6 x 32 Tubes	
AAA44586	ø25 / ø1.0 x 19 Tubes	

Stainless Steel Cover

- Sturdy, corrosion-resistant, stainless steel material.

Cat. No.	Model
AAA44600	BS2-10
AAA44601	BS2-15
AAA44602	BS2-20
AAA44603	BS2-30

LC GreenBox

- Real-time monitoring the state of a device via mobile app (LC Connected) under an internet connection.
- Available to connect 4 devices in max for 1 unit of LC GreenBox.

Cat. No.	Dimension (W x D x H, mm / inch)
AAHQ1011K	156 x 94 x 34 / 6.14 x 3.7 x 1.34