

Precision Constant Temperature Bath “Thermo-Elite”

BH401/501

Model	
401	501
Operating Temperature Range (Room Temp. +15deg.C to)	
100deg.C	200deg.C
Temp. Adjustment Accuracy	
±0.01deg.C	
Bath Capacity	
13L	

FEATURES

- Desk Top Type Precision Constant Temp. Bath
- Powerful Circulation Pump can perform the Better External Circulation .
- Various Support Functions
- Circulation Pump Flow is Changeable up to 10 steps
- External Circulated Water Temp. (Closed Type) can be Controlled Precisely by Fixing External Sensor.
- Control Panel is Removable with Communication Cable for the Remote Control. (Communication Cable is Optional.)

▶ Program Controller CR5



▶ Back Side



Control Panel is Detachable. Have to install Optional Item “Remote Control Power Source” in case Communication Cable Length is more than 5m.

Specifications

Model	BH401	BH501
■ Performance		
Circulation Type	Water Jet Pump Circulation (Closed System Circulation)	
Operating Temp. Range	Room Temp. +15 to 100deg.C	Room Temp. +15 to 200deg.C
Temp. Adjustment Accuracy	±0.01 (at 20deg.C)	
Temp. Indication Unit	0.1deg.C	
Circulation Pump	Water Jet Pump Circulation	
Pump Max. Flow (50/60Hz)	14/15L/min.	
Pump Max. Lift (50/60Hz)	2.8/3.4m	
Heater	1kW	1.2kW
Surrounding Operation Temp. Range	5 to 30deg.C	
■ Controller		
Temp. Control System	PID Control by Micro Computer	
Temp. Setting/Display	Digital Setting, LED Display, Fluorescent Display Tube Type Guide Display	
Temp. Sensor	Pt Sensor, Pt100Ω A-class (for Temp. Control)+ K-thermocouple (for Overheat Prevention) Double Sensor	
Timer	1min. to 99hrs. 59min., 100 to 999.9hrs.Timer/Time Changeable Function	
Operation Function	Fixed Temp. Operation, Automatic Stop/Start Operation at Setting Time, Program Operation (Max. 99 steps, Repeating, Gradient Operation), Programming Automatic Start Operation, Temporary Operating-Stop Function.	
■ Safety		
Safety Countermeasures	Electric Leakage Breaker for Over Current Protection, Key Rock Function, Breakout Protection Function, Automatic Overheat Prevention, Independent Overheating Prevention	
Other Function	Drain Cock, RS485 Communication Function, Temp. Output Terminal, Alarm Output Terminal, Calibration Off Set Function.	
■ Standard		
Water Bath Dimension	W239 x D299 x H200mm	
Water Bath Capacity	13L	
Effective Water Bath Dimension	W227 x D150 x H200mm (Frontage Corner R34)	
External Dimension	W310 x D396 x H607mm (Water Bath Height)	
Power Source	AC100V, 50/60Hz, 11A	AC100V, 50/60Hz, 13A
Weight	Approx. 20kg	Approx. 20kg

■ Optional items

Remark	Description	Model No.	Product Code
	Silicon Hose for Circulation, I.D.12mmLength 2m	BH401/501	280094
	External Communication Adapter, RS485-RS232C (conversion)	BH401/501	281388
	External Pt Sensor, Pt100Ω A-class with Protection Tube 3m Communication Cable for Remote Control, 4-pole, 5m	BH401/501	281350
	Communication Cable for Remote Control, 4-pole, 5m	BH401/501	281397
○	Panel Stand for Remote Control	BH401/501	281398
	Power for Remote Control, AC100V-DC5V	BH401/501	281399

Note:

The transportation cost will not be required if the order is together with main unit except the item marked "○".
In case you order the item marked "○" together with the main unit, please ask Yamato to obtain the correct transportation cost.



Panel Stand for Remote Control



Remote Control Power Source

Heating characteristic

