

## Shaking Incubators

### BT100/200/300

Model		
100	200	300
Temp. Control Accuracy		
Room Temp. +5deg.C to +80deg.C		
Temp. Distribution Accuracy		
±0.1		
Accommodation Capacity (Test tube, dia.16.5mm)		
130 pcs.	169 pcs.	260 pcs.

The BT units are constant temperature water baths that shake.

They feature an easy-to-use and flexible inner tank and integrated vibrating design. They also incorporate a thermostat that enables fixed operation and comprehensive safety features..

- The vibration range varies extends from 10 to 44mm and can be freely changed, while the oscillation frequency ranges from 20 to 160 times per minute, allowing for non-incremental speed transition. settings are input using a controller with a digital display.
- Settings for the temperature and timer can be easily input using the up and down keys, and the settings appear on a digital display.

### Control Panel



BT100/200

### Rack for Test Tube



for BT100



for BT300



for BT200

## Specifications

Model	BT100	BT200	BT300
<b>■ Performance</b>			
Method	Reciprocating shaking system, Stirring by pump		
Operating temp. range	Room temp. +5deg.C to 80deg.C		
Temperature control accuracy	±0.02deg.C to 0.08deg.C		
Temperature distribution accuracy	±0.1deg.C		
Temperature rising time	Approx. 95 min.	Approx. 70 min.	Approx. 120 min.
Shaking frequency	20 to 160 times/min.		
Shaking width	10 to 40mm (adjustable)		
<b>■ Components</b>			
Temp. Controller	PID control by microprocessor		
Temp. Sensor	Pt resistance thermometer (double sensor)		
Temp setting method	Digital setting		
Temp display method	Digital display		
Overheat protector	ON/OFF control by microprocessor		
Overheat protect setting method	Digital setting		
Overheat protect sensor	K-thermocouple (double sensor)		
Heater	Copper pipe heater (nickel plated)		
	1.2kW	1.9kW	2.5kW
Stirring System	Magnet pump		
	6W	10W	10W
Shaker	Gear motor		
	25W	40W	40W
Shaking speed setting system	Analog setting		
Shaking speed display system	Digital display		
Timer	1 min. to 999 hr. 50 min. Digital display, Quick automatic start/stop		
<b>■ Safe Device</b>			
Safety countermeasures	Self-diagnosis function(Heater defective, Sensor defective, Set value abnormal, SSR short circuit and Overheat protector) Warning buzzer and alarm lamp, Over current, short circuit breaker, Heater no-load operation prevention device and overheat protector.		
<b>■ Standard</b>			
Container flame number, Test tube	Dia : 16.5mm, Length : 150 to 200mm(JIS)		
	130 pcs.	169 pcs.	260 pcs.
Flask	Round, Erlenmeyer flask 100/300/500ml		
	12/5/3pcs.	16/9/6pcs.	24/10/6pcs.
Material (Interior)	Stainless steel		
Internal dimensions(W×D×Hmm)	302×350×250	372×350×250	532×350×250
External dimensions(W×D×Hmm)	579×414×325	649×414×325	809×414×325
Tank Capacity	19L	23L	34L
Power source 50/60Hz	AC100V 14A (15A)	AC100V 21A (30A)	AC200V Single phase, 14.5A (15A)
Weight	Approx. 27kg	Approx. 40kg	Approx. 48kg
<b>■ Accessories</b>			
Shaking Rack	1 pc.	1 pc.	2 pc.
(Dimensions W×D×Hmm)	290×220×170	290×290×170	290×220×170
Spring Pitch	20mm (both length and width)		

### ■ Optional items

Description	Model No.	Product Code
Lid for BT100	BT Series	221380
Lid for BT200	BT Series	221381
Lid for BT300	BT Series	221382



Top View (Optional accessories)

