



BENCHTOP SHAKING INCUBATOR

BENCHTOP SHAKING INCUBATOR

Bench top shaking incubator has a compact design that saves your precious lab space. Stainless steel interiors with exceptional durability and trouble-free cleaning require less maintenance. Large transparent lid provides easy observation. Microprocessor controller permits easy operation. A variety of platforms and other lab accessories allows configuration to meet your demands.

Used in Cell Cultures, Cell Aeration, Microbiology, Increasing Solubility Rates, Metabolism Studies, Bacterial Cultures, Bacteriology.

Also known as Laboratory Incubator Shaker, Incubator Shaker.

BSBT-301 BENCHTOP SHAKING INCUBATOR



Speed can be set as 60-400 rpm

The electronic control of closed cycle adjustable heating system

Sainless steel interior and Electrostatic sprayed exterior

Call to restore function, without power supply

With strong influence of intermittent rapid heating system of.200 type and 100B type with air pressure regulating valve

Flexible and convenient, wide variety of detachable accessories

SPECIFICATIONS

Model	BSBT-301
Speed Range	20-300 rpm
Standard Capacity	500 mlx3, 250 mlx3, 100 mlx4, 50 mlx4
Temperature	RT+5°C~60°C
Temperature Accuracy	±0.1°C
Temperature Uniformity	±1°C
Shaking Speed Accuracy	±1 rpm
Timing Range	Optional
Motion	Orbital
Amplitude	24 mm
Tray	1
Platform Dimension	4375x405 mm
Inner Dimension	428x456x360 mm
Overall Dimension	640x605x520 mm
Display	LCD
Weight	72 kg
Power	365 W
Power Supply	220 V±10%

BSBT-302 BENCHTOP SHAKING INCUBATOR



The electronic control of closed cycle adjustable heating system
Sainless steel interior and Electrostatic sprayed exterior
Call to restore function, without power supply
With strong influence of intermittent rapid heating system of.200 type and 100B type
with air pressure regulating valve
Flexible and convenient, wide variety of detachable accessories

SPECIFICATIONS

Model	BSBT-302
Speed Range	20-300 rpm
Standard Capacity	500 mlx4, 250 mlx4, 100 mlx5, 50 mlx5
Temperature	4°C~60°C
Temperature Accuracy	±0.1°C
Temperature Uniformity	±1°C
Shaking Speed Accuracy	±1 rpm
Timing Range	Optional
Motion	Orbital
Amplitude	26 mm
Tray	1
Platform Dimension	450x400 mm
Inner Dimension	508x458x360 mm
Overall Dimension	800x700x530 mm
Display	LCD
Weight	100 kg
Power	580 W
Power Supply	220 V±10%

100 BENCHTOP SHAKING INCUBATOR



- Microprocessor controller with timing function
- Large LCD display
- High quality compressor and fan motor
- Digital control of time, temperature and shaking speed for accuracy and repeatability
- Stainless steel inner chamber and platform
- Clear large lid provides excellent visibility minimizing the need to open the lid
- Adjustable counterbalance system provides vibration-free operation
- Smooth start and stop system prevents liquid spillage
- Auto-controller of fan speed prevents damage to samples
- Refrigerant: CFC R134a
- Open lid cut off switch immediately stops shaking when lid is open
- Interchangeable platforms for shaking-incubating different vessels

SPECIFICATIONS

Model	BSBT-101	BSBT-102	BSBT-104	BSBT-105
Speed Range	40-250 rpm		40-300 rpm	
Temperature	RT+5-65°C			4-65°C
Temperature Accuracy	±0.1°C			
Temperature Uniformity	±1°C			
Temperature Fluctuation	±1°C			
Temperature Resolution	0.1°C			
Permissible Ambient Temperature	5-40°C			
Shaking Speed Accuracy	±1 rpm			
Speed Increment	±1 rpm			
Shaking Orbit	20 mm			
Timing Range	0-5999 min			
Motion	Orbital			
Amplitude	20 mm			
Platform Dimension	280x280 mm	350x350 mm	450x450 mm	
Weight	56 kg		80 kg	110 kg
Power	500 W		750 W	1100 W
Power Supply	220V, 50Hz		220V, 60Hz	



BSBT-101



BSBT-102



BSBT-104



BSBT-105

200 BENCHTOP SHAKING INCUBATOR



PID controller

Forced convection circulation

Stainless steel internal material

Audio and visual alarm for over-temperature

Alarm: Over-speeds, Independent over-temperature protector, Shutdown protection for door opening, Leakage or over-current protection.

Optional accessories: UV lamp, humidity controller, inlet air pipe, light system, etc.

SPECIFICATIONS

Model	BSBT-201	BSBT-202
Speed Range	30~400 rpm	
Standard Capacity	100 mlx9	50 mlx4, 100 mlx4, 250 mlx3, 500 mlx3
Maximum Configuration	50 mlx9, 100 mlx9, 250 mlx5	50 mlx16, 100 mlx16, 250 mlx12, 500 mlx9, 1000 mlx5
Temperature	RT+5°C~60°C	
Temperature Accuracy	±0.1°C	
Temperature Uniformity	±0.25°C	
Shaking Speed Accuracy	±1 rpm	
Timing Range	0~500 h	
Motion	Orbital	
Vibrational Amplitude (mm)	Φ25 mm	
Drive Mode	Unishaft drive	
External Material	ABS	
Platform Dimension	260x260 mm	400x370 mm
Overall Dimension	440Wx420Dx420H mm	610Wx610Dx510H mm
Package Dimension	570Wx570Dx590H mm	710Wx710Dx660H mm
Display	LCD	
Weight	50 kg	85 kg
Heating Consumption	150 W	400 W
Power	280 W	490 W
Power Supply	AC110V/220V±10%,50/60Hz	



BSBT-201



BSBT-202

BSBT-203 BENCHTOP SHAKING INCUBATOR



PID controller

Forced convection circulation

Stainless steel internal material

CFC-Free, R134a refrigerant

Audio and visual alarm for over-temperature

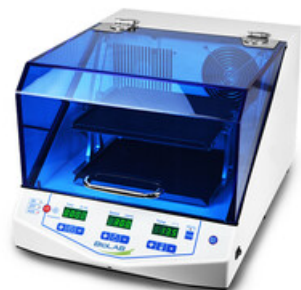
Alarm: Over-speeds, Independent over-temperature protector, Shutdown protection for door opening, Leakage or over-current protection.

Optional accessories: UV lamp, humidity controller, inlet air pipe, light system, etc.

SPECIFICATIONS

Model	BSBT-203
Speed Range	30~400 rpm
Standard Capacity	50 mlx5, 100 mlx5, 250 mlx4, 500 mlx3
Maximum Configuration	50 mlx25, 100 mlx25, 250 mlx16, 500 mlx9, 1000 mlx9, 2000 mlx5
Temperature	4°C~60°C
Temperature Accuracy	±0.1°C
Temperature Uniformity	±0.25°C
Shaking Speed Accuracy	±1 rpm
Timing Range	0~500 h
Motion	Orbital
Vibrational Amplitude (mm)	Φ25 mm
Drive Mode	Unishaft drive
External Material	ABS
Platform Dimension	420x400 mm
Overall Dimension	700Wx740Dx560H mm
Package Dimension	800Wx840Dx710H mm
Display	LCD
Weight	130 kg
Cooling Consumption	118 W
Heating Consumption	400 W
Power	580 W
Power Supply	AC110V/220V±10%, 50/60Hz

BSBT-401 INCUBATOR SHAKER



PID speed control technology.

Integrate incubator and shaker. Save lab space.

Compact constant temperature space, good temperature uniformity, low noise.

Micro-processor controls temperature and shaking speed. Built-in timing function. Sound alarms after program finishes, it can also be set to untimed continuous operation.

Brushless DC motor, long life and maintenance-free.

SPECIFICATIONS

Model	BSBT-401
Speed Range	50 ~300 rpm
Temp. control range	4 ~60°C @Ambient temp.≤25°C
Temp. setting range	4 ~60°C
Shaking Orbit	20 mm (circle)
Max. drop temp.	R.T. decrease 20°C@R.T.≥25°C
Temp. stability	±0.3°C
Temp. Display accuracy	0.1°C
Timing range	1min ~99h59min
Voltage	AC 220V , 50/60Hz
Power	1200W
Fuse	250 V, 5 A/10 A, φ5x20
Dimension	W.560xD.823xH.449
Net weight	61 Kgs
Platform	PW-420 (W.410 x D.420 x H.65 mm)

1700 BENCHTOP SHAKING INCUBATOR



Unique air flow technology adopts continuous flow fan technology, air stability, no turbulence, temperature is uniform

Cycle fan speed can be automatically controlled, it can avoid the samples volatile too fast due to cycle fan is too fast

Patented single-axis drive and balancing technology, running stable, low noise and low consumption

Adopts pneumatic support, transparent cover height can be adjustable to any position, convenient the operation

Colorful touch screen can continuously, accurately and real-time display temp, rotation speed and work time

The menu operation interface is easy to understand

Combine incubator, shaker functions together with small space

Patented overall design, transparent big view windows, dynamic master the culture effect

Shaking platform and chamber are made of stainless steel, anti-corrosion and easy to clean

Protection on instruments: Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident

Protection on key components: Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions

Brushless DC motor, large start torque, wide speed adjustment, free maintenance

SPECIFICATIONS

Model	BSBT-1701	BSBT-1702	BSBT-1703	BSBT-1704
Speed Range	40-250 rpm	40-300 rpm		
Temp. Range	RT+5 - 65°C			4 - 65°C
Temp. Control accuracy	0.1°C			
Frequency accuracy	±1 rpm			
Platform Dimension	250x250 mm	350x350 mm	450x450 mm	
Inside height	195 mm	265 mm	330 mm	
Overall Dimension	390Wx590Dx370H mm	490Wx690Dx450H mm	590Wx825Dx550H mm	590Wx975Dx550H mm
N.W	32 Kg	42 Kg	52 Kg	75 Kg
Amplitude	20 mm			
Running time	1 - 99h59min			
Power requirement	AC 220 V / 50 Hz			
Rated power	450 W	650 W	1000 W	1300 W
Standard configuration	250mlx8pcs	250mlx13pcs	250mlx18pcs	

Model	BSBT-1705	BSBT-1706	BSBT-1707	BSBT-1708
Speed Range	40-500 rpm			
Temp. Range	RT+5 - 65°C			4 - 65°C
Temp. Control accuracy	0.1°C			
Frequency accuracy	±1 rpm			
Platform Dimension	250x250 mm	350x350 mm	450x450 mm	
Inside height	195 mm	265 mm	330 mm	
Overall Dimension	390Wx590Dx370H mm	490Wx690Dx450H mm	590Wx825Dx550H mm	590Wx975Dx550H mm

N.W	32 Kg	42 kg	52 Kg	75 Kg
Amplitude	4 mm	5 mm		
Running time	1 - 99h59min			
Power requirement	AC 220 V / 50 Hz			
Rated power	450 W	650 W	1000 W	1300 W
Standard configuration	250mlx8pcs	250mlx13pcs	250mlx18pcs	



BSBT-1701



BSBT-1702



BSBT-1703



BSBT-1704



BSBT-1705



BSBT-1706



BSBT-1707



BSBT-1708

2100 BENCHTOP SHAKING INCUBATOR



Adopt 4.3 inches touch screen, intelligent touch screen control, parameters real time display, operation easily

Temp., rotation speed and time etc parameters fast setting

Silent working.

Colorful touch screen display, multi data display at one screen, easily to observe and operate

Platform is stainless steel, easy to detach and clean

Various kinds of clamps and racks for selection, easily change racks and clamps improve work efficient

User's set parameters can be stored automatically when power off suddenly, and it resume last program settings when power on

PID microcomputer control temp. and shake frequency with timer, it starts shake gently to prevent liquid coming out from the vessels and stop the machine working

Brushless DC motor, large start torque, wide speed adjustment, free maintenance

Three-eccentric axis balance drive ensures all samples in the shaker platform movements at the same rotation frequency. Durable structure guarantees the shaker incubator can work properly no matter full load or high speed working

Multi-segment temp., speed, time program at the same time. It has normal mode or programmable mode for running. Preset parameter and work data can be shown at the same time. It simplified complicated culture requirements and realize auto control and run

Equip with USB as options, record temp. parameter changes

Equip with RS232 data interface, through software to remote control machine performance

SPECIFICATIONS

Model	BSBT-2101	BSBT-2102	BSBT-2103	BSBT-2104
Speed Range	40-300 rpm			
Amplitude	26 mm			
Timing Range	1 - 99h59min			
Max load	250mlx48pcs or 500mlx30pcs or 1000mlx20pcs or 2000mlx12pcs (single shelf)		250mlx63pcs or 500mlx35pcs or 1000mlx35pcs or 2000mlx16pcs (single shelf)	
Platform Dimension	800x600 mm		920x640 mm	
Platform quantity	1 pcs	2 pcs	1 pcs	2 pcs
Overall Dimension	895Wx740Dx460H mm	895Wx740Dx900H mm	1115Wx835Dx460H mm	1115Wx835Dx900H mm
Rated power	250 W			
Power supply	AC 220 V 50 HZ			
Standard configuration	500mlx30pcs (single shelf)		1000mlx35pcs (single shelf)	



BSBT-2101



BSBT-2102



BSBT-2103



BSBT-2104

2200 BENCHTOP SHAKING INCUBATOR



- Large LCD screen to display more data at same time
- R134a refrigerant, imported compressor and fan motor
- Big observation windows
- 304 Stainless steel chamber and platform, easy to clean
- The parameters can be automatically stored in case of power failure, and it will continue run as presetting program after turn on
- Microprocessor PID controller for temperature and shaking speed with timing function

SPECIFICATIONS

Model	BSBT-2201	BSBT-2202	BSBT-2203	BSBT-2204
Speed Range	40-300 rpm			
Electrical Requirement	220 V 50 Hz			
Amplitude	26 mm			
Display Resolution	0.1°C			
Power Consumption	1050 W		1300 W	
Platform Dimensions	750x460 mm	920x500 mm	750x460 mm	920x500 mm

External Dimension	1080Wx620Dx915H mm	1250Wx660Dx915H mm	1080Wx620Dx915H mm	1250Wx660Dx915H mm
Timing range	0~5999 min			



BSBT-2201



BSBT-2202



BSBT-2203



BSBT-2204



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