



Orbital Shaker

Shaker Incubator

Chest Type Shaker Incubator

Single Door Vertical Shaker Incubator

Double Door Vertical Shaker Incubator

Single/Double Layers Shaker

Orbital shaker

Application

Orbital shaker controls the orbital movements frequency to make material dissolution, liquid mixing, microbial culture and plant tissue culture circulate in experimental container. It is widely used in plants incubate, fermentation, hybridization, bacterial culture, biochemical reactions, enzyme and tissue research or small production of biological samples.

Feature

- Adopt single-axis drive and balancing technology, smooth running, low consumption and low noise
- Micro-computer control frequency and time, built in power off protection, it can resume work after normal power supply.
- Large LCD screen can display frequency and time, menu operate interface, easily to understand.
- 24V DC control guaranty safety use.
- Brushless DC motor, large start torque, wide speed adjustment, free maintenance.
- Adjustable motor start-up torque to avoid over load samples that can not start the instrument.
- Vibration imbalance detection. When shaker vibrates fiercely, the instrument stops automatically and smoothly.
- Many kinds of clamps and racks for selection, and the change of these parts are very easily, improve work efficient
- Programmable controller can simplified the experiment process, realize automatically control and running
- RS-232 and USB can be selected one of them, connect with computer, instruments can be monitored the time, alarm and rotation speed.



LCD screen

Safety

- **Protection on key components:** Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.



Orbital shaker

Technical parameters

Model	GentianaBS-1	GentianaBS-2	GentianaBS-3	GentianaBS-15	GentianaBS-25	GentianaBS-35
Points	40~250rpm	40~300rpm		40~500rpm		
Rotation speed	±1rpm					
Frequency accuracy	20mm			4mm	5mm	5mm
Amplitude	2000ml	4000ml	9000ml	2000ml	4000ml	9000ml
Max loading capacity	LCD screen					
Display	1~99h59min					
Shelves sizes (mm)	250×250	350×350	450×450	250×250	350×350	450×450
Overall size W×D×H (mm)	290×375×110	390×495×125	490×605×137	290×375×110	390×495×125	490×605×137
Rated power	60W					
N.W	20 Kg	30Kg	40 Kg	20 Kg	30Kg	40 Kg
Powder requirement	AC 220V-240V,					
Standard configuration	250ml×8pcs	250ml×13pcs	250ml×18pcs	250ml×8pcs	250ml×13pcs	250ml×18pcs

Shaker incubator



Colorful intelligent touch screen

Application

Shaker incubator combines incubator and shaker functions together, it provides accurate temp. control, realizes shake incubating and meet bacterium, microbe suspension incubate requirements. It is ideal instruments for Cell culture, fermentation, biochemistry, water quality analysis, plant cultivation and breeding.

Technical breakthroughs

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 technology

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

Pneumatic support technology

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

Large screen LCD display

- Colorful touch screen can continuously, accurately and real-time display temp., rotation speed and work time. The menu operation interface is easy to understand.

Technical features

Humanization design

- Combine incubator, shaker functions together with small space
- Patented overall design, transparent big view windows, dynamic master the culture effect.
- With reserve test hole, outer sensors can access to test the inner cabinet temperature(Optional)
- Shaking platform and chamber are made of stainless steel, anti-corrosion and easy to clean
- Standard configuration is universal clamp, it can used for different vessel with different volume

Uninterrupted performance guaranty

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

Safety

- **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.
- **Protection on samples:** Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.
- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

Convenient data process

- Equip with USB as options, record temp. parameter changes(Optional)
- Equip with RS232 data interface, through software to remote control machine performance (option)
- Above two options can be selected only one

Shaker incubator

Technical parameters

Model	GentianaBSI-1	GentianaBSI-2	GentianaBSI-3	GentianaBSI-3C	GentianaBSI-15	GentianaBSI-25	GentianaBSI-35	GentianaBSI-35C
Temp. range	RT+5~65°C			4~65°C	RT+5~65°C			4~65°C
Temp. control accuracy	0.1°C							
Rotation frequency	40~250rpm	40~300rpm			40~500rpm			
Frequency accuracy	±1rpm							
Platform size(mm)	250×250	350×350	450×450	450×450	250×250	350×350	450×450	450×450
Inside height (mm)	195	265	330	330	195	265	330	330
Overall size W×D×H(mm)	390×590×370	490×690×450	590×825×550	590×975×550	390×590×370	490×690×450	590×825×550	590×975×550
N.W	32 Kg	42 Kg	52 Kg	75 Kg	32 Kg	42 Kg	52 Kg	75 Kg
Amplitude	20mm				4mm	5mm	5mm	5mm
Running time	1-99h59min							
Powder requirement	AC 220V-240V, 60Hz							
Rated power	450W	650W	1000W	1300W	450W	650W	1000W	1300W
Standard configuration	250ml×8pcs	250ml×13pcs	250ml×18pcs	250ml×18pcs	250ml×8pcs	250ml×13pcs	250ml×18pcs	250ml×18pcs

Chest type shaker incubator



Colorful intelligent touch screen

Application

Floor standing Shaker incubator combines incubator and shaker functions together, it uses new outlook design with big touch screen,. Adopt the latest technology of motor driven system, large torque, stable work, low noise and fast heat dissipation and long lifetime. It is widely used Cell culture, fermentation, biochemistry, enzyme research experiment or medium production experiment. Especially suitable for medium production, it solves the user's problem by advanced design and high precise manufacturing art craft.

Product features

Colorful intelligent touch screen control

- 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

Humanization design

- Combine incubator, shaker functions together with small space, huge capacity.
- Colorful touch screen controller, menu operation interface, multi data display at one screen, easily to observe and operate.
- Silent running
- Fluorine-free design, environmental friendly
- Big transparent big view windows, platform and chamber are made of stainless steel, anti-corrosion and easy to clean.

Quality guaranty

- 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.
- Compressor and cycle fan etc key components are reliable suppliers, environmental non-free refrigerants

Uninterrupted performance guaranty

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

Three-eccentric axis balance drive

- 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.

Convenient data process

- Equip with USB as options, record temp. parameter changes (Option)
- Equip with RS232 data interface, through software to remote control machine performance (option)
- Above two options can be selected only one

Safety

- **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.
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- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

Multi-segment programmable control

- 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.

Feature extension (Option)

- CO² concentration monitor and control
- Lighting control
- Humidity monitor and control

Chest type shaker incubator



USB interface



PU foamed handle



25mm test hole



304 mirror stainless steel



Pneumatic gas spring holder



Pressure balance hole

Technical parameters

Model	GentianaBSI-21	GentianaBSI-31	GentianaBSI-21C	GentianaBSI-31C
Power supplies	AC 220V-240V, 60Hz			
Shake frequency	40 ~ 300 rpm			
Amplitude	26mm			
Control temp. range	RT+5 ~ 80°C		4 ~ 80°C	
Temp. resolution	0.1°C			
Timer range	1-99h59min			
Rated power	1050W		1300W	
Shelves size (mm)	750×460	920×500	750×460	920×500
Overall size W×D×H (mm)	1060×680×910	1200×730×930	1060×680×910	1200×730×930
Standard configuration	250ml×28	250ml×45	250ml×28	250ml×45

With "C" means the model with refrigeration function

Max. triangular flask clips can be placed (single layer)

Model		GentianaBSI-21 GentianaBSI-21C	GentianaBSI-31 GentianaBSI-31C
Triangular flask (pcs)	50 ml	82	116
	100 ml	50	66
	250 ml	28	45
	500 ml	23	28
	1000 ml	15	18
	2000 ml	8	13

Small vertical shaker incubator



Application

Widely used in cell culture, fermentation, hybridization, biochemistry and cell tissue research with high temperature and concussion frequency. It can culture microbial cells and various type of bacteria in static and movement, especially suitable for laboratory pilot production.

Product features

Colorful intelligent touch screen control

- 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

Humanization design

- Combine incubator, shaker functions together with small space, huge capacity.
- Colorful touch screen controller, menu operation interface, multi datas display at one screen, easily to observe and operate.
- Fluorine free design
- Large toughened glass windows provides users observe the samples status with good insulation when instruments working
- Various kinds of clamps and racks for selection, easily change racks and clamps improve work efficient
- Inner chamber, shaker platform and shelves are made of 304 stainless steel
- On the left of chamber is placed with 50mm test hole

Quality guaranty

- 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.
- Compressor and cycle fan etc key components are reliable suppliers, environmental non-free refrigerants

Uninterrupted performance guaranty

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

Safety

- **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.
- **Protection on samples:** Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.

- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

Three-eccentric axis balance drive

- 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 programmable control

- 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.

Feature extension(Optional)

- CO² concentration monitor and control
- Lighting control(Stimulate the nature growth environment)
- Humidity monitor and control

Small vertical shaker incubator

Technical parameters

Model	GentianaBSI-9	GentianaBSI-9C	GentianaBSI-30	GentianaBSI-30C
Power supplies	AC 220V-240V, 60Hz			
Shake frequency	40~300rpm			
Amplitude	20mm			
Control temp. range	RT+5~65°C	4~65°C	RT+5~65°C	4~65°C
Temp. resolution	0.1°C			
Timer range	0~99 h 59min			
Shelves size (mm)	400×340	400×340	500×350	500×350
Overall size W×D×H (mm)	635×714×1055	635×714×1055	725×720×1150	725×720×1150
Rated power	750W	950W	1100W	1300W

Large vertical shaker incubator



Application

Widely used in cell culture, fermentation, hybridization, biochemistry and cell tissue research with high temperature and concussion frequency. It can culture microbial cells and various type of bacteria in static and movement, especially suitable for laboratory pilot production.

Product features

Colorful intelligent touch screen control

- 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

Humanization design

- Combine incubator, shaker functions together with small space, huge capacity.
- Colorful touch screen controller, menu operation interface, multi datas display at one screen, easily to observe and operate.
- Fluorine free design
- Large toughened glass windows provides users observe the samples status with good insulation when instruments working
- Various kinds of clamps and racks for selection, easily change racks and clamps improve work efficient
- Inner chamber, shaker platform and shelves are made of 304 stainless steel
- On the left of chamber is placed with 50mm test hole
- Quality assurance

Quality guaranty

- 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.
- Compressor and cycle fan etc key components are reliable suppliers, environmental non-free refrigerants

Uninterrupted performance guaranty

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

Safety

- **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.
- **Protection on samples:** Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.
- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

Large vertical shaker incubator

Technical parameters

Model	GentianaBSI-52	GentianaBSI-52C	GentianaBSI-72	GentianaBSI-72C
Technical points	40~300rpm			
Power supplies	±1rpm			
Shake frequency	26mm			
Amplitude	RT+5~65°C	4~65°C	RT+5~65°C	4~65°C
Control temp. range	±0.1°C			
Temp. resolution	at 37°C±0.8°C			
Timer range	0~99 h 59min			
Shelves size (mm)	750×460 (double shelves)		920×500 (double shelves)	
Overall size W×D×H (mm)	1030×875×1370		1200×875×1370	
Rated power	1900W	2250W	1900W	2250W
Standard configuration	250mL×56pcs		250mL×90pcs	

Note: If racks and clamps need to be made to customers requirements, the physical loading quantity is subject to customer requirements.

Max. triangular flask clips can be placed (single layer)

Model		Large vertical shaker incubator		Small vertical shaker incubator	
		GentianaBSI-52 GentianaBSI-52C	GentianaBSI-72 GentianaBSI-72C	GentianaBSI-9 GentianaBSI-9C	GentianaBSI-30 GentianaBSI-30C
Triangular flask (pcs)	50 mL	82	116	29	37
	100 mL	50	66	18	22
	250 mL	28	45	11	14
	500 mL	23	28	7	10
	1000 mL	12	18	4	6
	2000 mL	6	10	-	-

shaker



Application

Being shaker incubator adopts new outlook, large LCD screen, latest technology of motor driven system, Large torque, stable operation, low noise, fast heat dissipation and long service life. It is widely used in cell culture, fermentation, hybridization, biochemistry and enzyme research etc that need shaker function in laboratory experiment or pilot experiment.

Features

Colorful intelligent touch screen control

- 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

Humanization design

- 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

Quality guaranty

- 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.
- With rotation speed monitoring circuit. When the instrument detects rotation speed is too fast or too slow, it can stop shaking to ensure no accident occur.

Uninterrupted performance guaranty

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

Three-eccentric axis balance drive

- 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 programmable control

- 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.

Convenient data process

- Equip with USB as options, record temp. parameter changes(option)
- Equip with RS232 data interface, through software to remote control machine performance (option)
- Above two options can be selected only one

shaker

Technical parameters

Model	GentianaBS-21 Single shelf	GentianaBS-22 Double shelves	GentianaBS-31 Single shelf	GentianaBS-32 Double shelves
Rotation speed	40-300rpm			
Amplitude	26mm			
Timer range	1~99 h 59min			
Max load	250ml×48pcs or 500ml×30pcs or 1000ml×20pcs or 2000ml×12pcs (single shelf)		250ml×63pcs or 500ml×35pcs or 1000ml×35pcs or 2000ml×16pcs (single shelf)	
Shelves size (mm)	800×600		920×640	
Shelve quantity	1pcs	2pcs	1pcs	2pcs
Overall size W×D×H(mm)	895×740×460	895×740×900	1115×835×460	1115×835×900
Rated power	250W			
Power supplies	AC 220V-240V, 60Hz			
Standard configuration	500ml×30pcs(single shelf)		1000ml×35pcs(single shelf)	

Orbital shaker & Shaker incubator accessories and configuration



Spring wire rack



Universal attachment



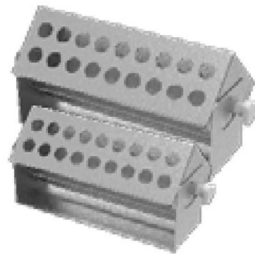
Cell culture spring rack



Flask clamp



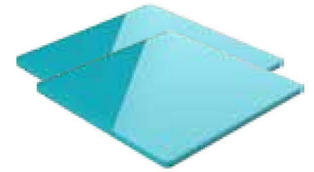
Rubber mat



Tube rack



Universal platform



Sticky pad

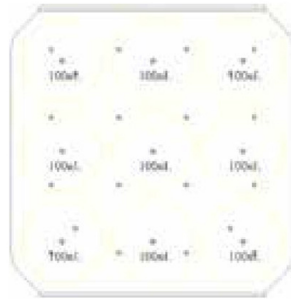
Model		Gentiana BS-1	Gentiana BS-2	Gentiana BS-3	Gentiana BIS-1	Gentiana BIS-2	Gentiana BIS-3
Universal Platform WxD(mm)	250x250	√			√		
	350x350		√			√	
	450x450			√			√
Spring Wire Rack WxD(mm)	250x250	√			√		
	350x350		√			√	
	450x450			√			√
Universal Attachment WxDxH(mm)	250x250x85	√			√		
	350x350x100		√			√	
	450x450x100			√			√
Cell Culture Spring Rack WxD(mm)	250x250	√			√		
	350x350		√			√	
	450x450			√			√
Rubber Mat WxD(mm)	250x250	√			√		
	350x350		√			√	
	450x450			√			√
Individual Flask Clamps (mm)	50ml	16	36	49	16	36	49
	100ml	9	23	36	9	23	36
	250ml	8	13	18	5	13	18
	500ml	4	8	16	4	8	16
	1000ml	-	4	9	-	4	9
	2000ml	-	1	4	-	-	4
Test Tube Rack	Φ8mmx105	2	3	4	2	3	4
	Φ10mmx72						
	Φ12mmx72						
	Φ14mmx42						
	Φ17mmx42						
	Φ25mmx14						
	Φ30mmx12						
	Φ35mmx10						
Φ50mmx4							
Sticky Pad WxD(mm)	140x140	1	4	9	1	4	9

Flask clamp placement diagram

GentianaBS-1/BIS-1



50ml*16pcs



100ml*9pcs



250ml*8pcs

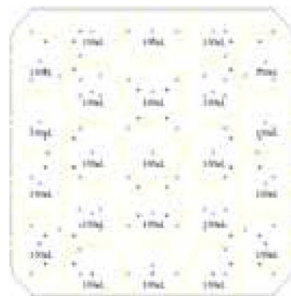


500ml*4pcs

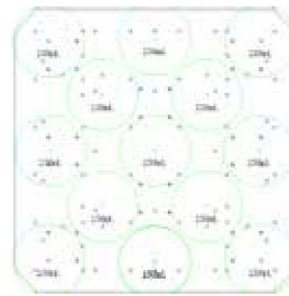
GentianaBS-2/BIS-2



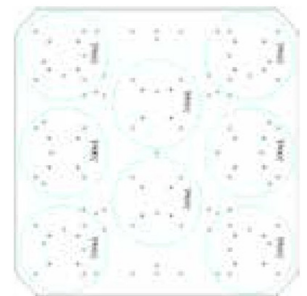
50ml*36pcs



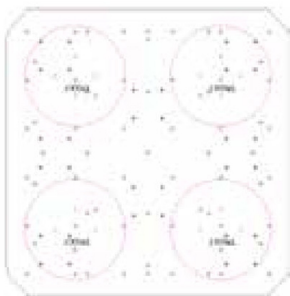
100ml*23pcs



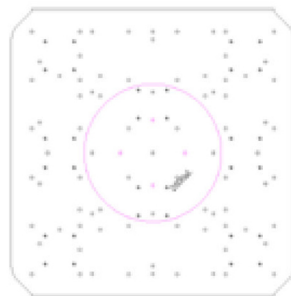
250ml*13pcs



500ml*8pcs



1000ml*4pcs



2000ml*1pcs (Except for GentianaBSI-2)

GentianaBS-3/BIS-3



50ml*49pcs



100ml*36pcs



250ml*18pcs



500ml*16pcs



1000ml*9pcs



2000ml*4pcs

Orbital Shaker & Thermo-shaker

Microprocessor controller (with timing function)

Summary:

Widely applicable for researches on bacteria cultivation, fermentation, hybridization, chemical and biochemical reaction.

Features:

- Microprocessor PID controller, with timing function.
- Stainless-steel or alnico plate, non-eroding and easy clean.
- DC Brushless motor with long using life, wide speed control with long using life, wide speed control.
- The alarm will get off when the real shaking speed is 10% different with setting value, and motor will stop automatically.
- Speed controller ensures smooth start /stop which can prevent the liquid spill to damage the equipment.
- HZQ-50H and HZQ-120H are with heating plate function.
- HZQ-50H and HZQ-120H are with LCD screen, programmable controller. (18periods with temperature, speed and timing)
- HZQ-50H and HZQ-120H are with over-temperature alarm.



Specifications

Model	GentianaWSZ-10A(HZQ-10A) GentianaWSZ-20A(HZQ-20A)	GentianaWSZ-50A(HZQ-50A) GentianaWSZ-100B GentianaWSZ-100A(HZQ-100A) GentianaWSZ-200A(HZQ-200A)	GentianaHZQ-50H GentianaHZQ-120H
Electrical Requirement	AC 220V-240V, 60Hz		
Shaking Speed Range	50~250r/min	40~300r/min	40~250r/min
Amplitude	10mm/20mm	10mm/20mm/20mm	20mm
Temperature Range	-	-	RT+5~100°C
Display Resolution	-	-	0.1°C
Power Consumption	60W	60W	350W 400W
Platform Size(mm)	280×270	350×260 350×350 400×340 450×450	350×260 380×340
Platform optional	Universal platform or Spring wire racks(Default)		Spring wire racks
Timing Range	0~5999min		

Shaking Incubator

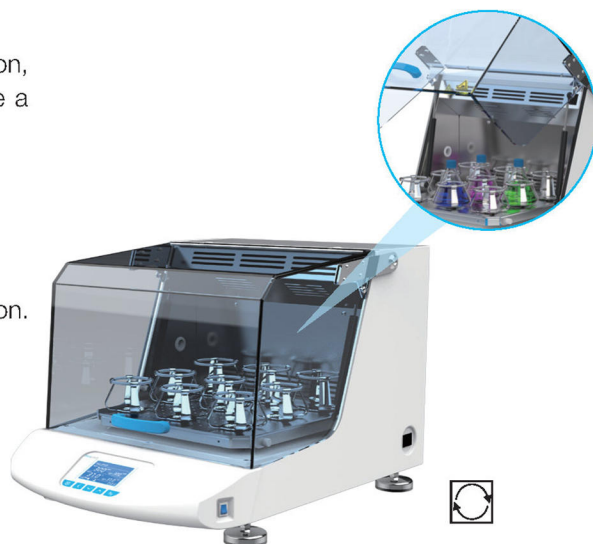
Microprocessor controller (with timing function)

Summary:

Widely applicable for researches on bacteria cultivation, fermentation, hybridization, chemical and biochemical reaction, enzymes and tissues research, which have a high requirement on precision of shaking speed and temperature.

Features:

- Large LCD screen to display more data at same time.
- Stainless-steel chamber and platform, easy to clean.
- Big observation windows.
- Microprocessor controller for temperature and shaking speed with timing function.
- Self-check function easy to identify problems.
- Smooth start and stop system prevents liquid spillage.
- Auto-controller of fan speed to prevent damage to the samples.
- Safety door switch, auto pause operation when door is opened.
- R134a refrigerant, imported compressor and fan motor.
- High effective filter provides filtration of bacteria and dust.
- Temperature-limiting alarm system, auto switch off when over-temperature.
- RS485 connector can connect computer record and inspect the parameters and the variations of temperature. (option)
- Maintenance-free DC Brushless motor, easy to clean.



Specifications

Model	GentianaTHZ-103B	GentianaTHZ-100 (GentianaTHZ-98B)	GentianaTHZ-300	GentianaTHZ-300C
Electrical Requirement	AC 220V-240V, 60Hz			
Shaking Speed Range	40~250r/min	40~300r/min		
Amplitude	20mm			
Temperature Range	RT+5~65°C			4~65°C (Ambient temp-20°C)
Display Resolution	0.1°C			
Power Consumption	450W	650W	1000W	1300W
Platform Size	280×280	350×350	450×450	
Default Platform	Spring wire racks			
Timing Range	0~5999min			

Platform used for flask clamp and tube holder. Maximum of flask clamp (Monolayer)

Model	Gentiana WSZ-10A WSZ-20A	Gentiana WSZ-50A WSZ-50H	Gentiana WSZ-100A	Gentiana WSZ-200A	Gentiana HZQ-X100A	Gentiana THZ-103B	Gentiana THZ-100 THZ-100B	Gentiana THZ-300 THZ-300C	
Flask(pc)	50ml	-	29	42	37	9	24	42	
	100ml	12	12	18	28	9	15	28	
	250ml	6	6	11	12	14	8	12	
	500ml	-	-	7	11	10	-	7	11
	1000ml	-	-	4	8	-	-	4	8
	2000ml	-	-	3	4	-	-	2	4

Options:

- Programmable Temperature Controller
- Controller board and printer(Nested)
- Independent temperature-limiting alarm
- RS485 connector and software

Shaking Incubator

LCD Microprocessor Controller (with timing function)

Features

- 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.
- There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.
- 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.

Safety

- Safety door switch, auto pause operation when door is opened.
- Smooth start and stop system prevents liquid spillage.
- Auto-controller of fan speed to prevent damage to the samples.
- Self-diagnosis function, it will display error when failure.

Option

- Temperature-limiting alarm system, auto switch off when over-temperature.
- RS485 connector or USB interface can connect computer record and inspect the parameters and the variations of temperature.
- Intelligent programmable temperature controller.



Specifications

Model	GentianaTHZ-98A (Monolayer)	GentianaTHZ-98AB (Double-deck)	GentianaHZQ-X300 (Double-deck)	GentianaHZQ-F160A (Monolayer)	GentianaTHZ-98C (Double- deck)	GentianaHZQ-X300C (Double-deck)
Electrical Requirement	AC 220V-240V, 60Hz					
Shaking Speed Range	40~300r/min					
Amplitude	20mm					
Temperature Range	RT+5~65°C			4~65°C		
Display Resolution	0.1°C					
Power Consumption	750W	1100W	950W	950W	950W	1300W
Platform Size(mm)	400×340	500×350	400×300	400×340	400×340	500×350
Exterior Dimension (W×D×H)mm	635×714×1055	725×720×1150	635×714×1055	635×714×1055	635×714×1055	725×720×1150
Timing Range	0~5999min					

Platform used for flask clamp and tube holder. Maximum of flask clamp (Monolayer)

Model	GentianaTHZ-98A	GentianaTHZ-98AB GentianaTHZ-98C	GentianaHZQ-X300 GentianaHZX-X300C	GentianaHZQ-F160A	
Flask(pc)	50ml	29	29	37	29
	100ml	18	18	22	18
	250ml	11	11	14	11
	500ml	7	7	10	7
	1000ml	4	4	6	4
	2000ml	-	-	-	3

Shaking Incubator

LCD Microprocessor Controller (with timing function)

Features

- 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.

Safety

- Safety door switch, auto pause operation when door is opened.
- Smooth start and stop system prevents liquid spillage.
- Auto-controller of fan speed to prevent damage to the samples.
- Self-diagnosis function, it will display error when failure.

Option

- Temperature-limiting alarm system, auto switch off when over-temperature.
- RS485 connector or USB interface can connect computer record and inspect the parameters and the variations of temperature.
- Intelligent programmable temperature controller.
- Printer(Nested).



Specifications

Model	GentianaHZQ-211	GentianaHZQ-311	GentianaHZQ-211C	GentianaHZQ-311C
Electrical Requirement	AC 220V-240V, 60Hz			
ShakingSpeed Range	40~300r/min			
Amplitude	26mm			
Temperature Range	RT+5~65°C		4~65°C	
Display Resolution	0.1°C			
Power Consumption	1050W		1300W	
Platform Size(mm)	750×460	920×500	750×460	920×500
External Dimension (W×H×D)mm	1080×620×915	1250×660×915	1080×620×915	1250×660×915
Timing Range	0~5999min			

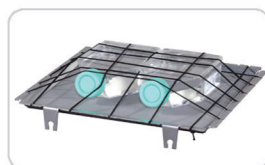
Options



Spring wire rack



Universal attachment



Cell culture spring rack



Individual clamps



Rubber mat

Shaking Incubator

LCD Microprocessor Controller (with timing function)

It is widely used in cell culture, fermentation, hybridization, biochemistry, and cell organization studies that require for temperature and shaking frequencies. It can be used for the movement and static cultivation of microbial cells and all kinds of bacteria, and applications in the field of laboratory, analytical and process equipment.

Features

- 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.
- There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.
- 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.

Safety

- Safety door switch, auto pause operation when door is opened.
- Smooth start and stop system prevents liquid spillage.
- Auto-controller of fan speed to prevent damage to the samples.
- Self-diagnosis function, it will display error when failure.

Option

- Temperature-limiting alarm system, auto switch off when over-temperature.
- RS485 connector or USB interface can connect computer record and inspect the parameters and the variations of temperature.
- Intelligent programmable temperature controller.
- Printer(Nested).



Specifications

Model	GentianaHZQ-X500 Double-deck	GentianaHZQ-X700 Double-deck	GentianaHZQ-X500C Double-deck	GentianaHZQ-X700C Double-deck
Electrical Requirement	AC 220V-240V, 60Hz			
Shaking Speed Range	40~300r/min			
Amplitude	26mm			
Temperature Range	RT+5~65°C		4~65°C	
Display Resolution	0.1°C			
Timing Range	0~5999min			
Power Consumption	1900W	1900W	2250W	2250W
Platform Size(mm)	750x460x2pcs	920x500x2pcs	750x460x2pcs	920x500x2pcs

Platform used for flask clamp and tube holder.Maximum of flask clamp (Monolayer)

Model	HZQ-X500 HZQ-X500C	GentianaHZQ-X700 GentianaHZQ-X700C	GentianaHZQ-211 GentianaHZQ-211C	GentianaHZQ-311 GentianaHZQ-311C
Flask(pc)	50ml	82	116	116
	100ml	50	66	66
	250ml	28	45	45
	500ml	23	28	28
	1000ml	12	18	18
	2000ml	-	10	8