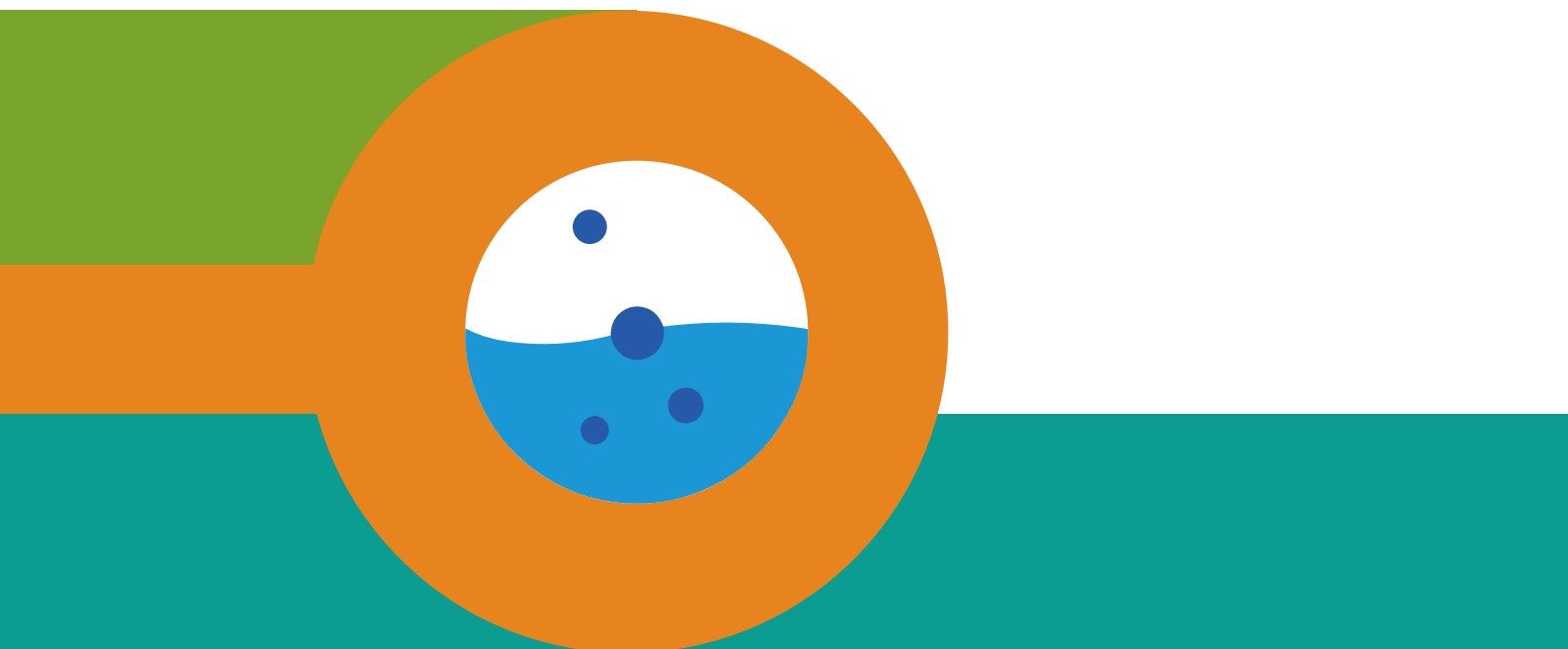


Professional
Laboratory
Solution Provider



LABOAO
www.laboao.com



| ABOUT US

Zhengzhou Laboao Instrument Equipment Co., Ltd (LABOAO) is a high-tech enterprise integrating R&D, production, sales, import and export, and is a leading laboratory equipment solution provider in China. LABOAO is headquartered in Zhengzhou, China. It has a group of excellent management and technical personnel who strive for excellence and constantly pursue progress and innovation. After fifteen years of hard work, it has achieved sustained and steady development, and its products are exported to Europe, America, Southeast Asia, the Middle East, South Africa, etc. 150 countries, we are working hard to establish a global regional service agency to provide better services and products for global customers.

The company has always adhered to the corporate tenet of "innovative technology, life first", focusing on laboratory research, life science, biomedical engineering and other fields, focusing on continuous innovation and development, improving the technical content of products, enriching product categories, realizing product upgrades, and gradually strengthening the enterprise. Core competitiveness, LABOAO regards product quality as the vitality of the enterprise, all our products have undergone strict testing and quality inspection, and have established a set of strict internal quality control system in accordance with international quality standards, and meet strict international standards. So far, the company has passed ISO9001 quality management system certification, EU CE, SGS, TUV, CNAS and other certifications.

LABOAO's main business involves laboratory instruments/consumables, life science instruments, chemical analysis instruments, optical instruments, medical equipment, drug inspection instruments, agricultural instruments, food inspection instruments and other industry-related instruments. Our products are widely used in laboratories, scientific research institutions, universities, chemical companies, hospitals, new energy, agriculture, food, metallurgy and mining, construction, petroleum and other industries.

The company introduces world-class automated production equipment and production technology, and continuously expands production capacity to meet customer needs. The investment of advanced production equipment and software facilities makes the enterprise more international standardization and standardization. LABOAO actively carries out various cooperations such as OEM and ODM with world-renowned enterprises. In continuous practice and application, LABOAO will continue to provide high-quality products and services to global customers.



| Our Culture

LABOAO's vision: To become a professional international technology driven laboratory supplier

LABOAO's values: Focus, Quality, Innovation, Environmental Protection

LABOAO's mission: Adhere to "innovative technology" as the company's development purpose, promote the progress of global laboratory research, and serve the beautiful and healthy life of mankind.



16^{YRS}

Laboratory Solution



86^{PPL}

Research & Design



20000^{SQM}

Industrial Plant



7X24^{HRS}

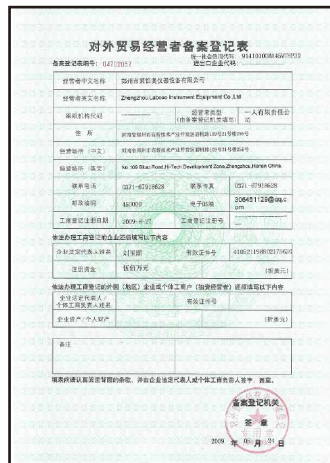
Technical Support



Qualification

Since its establishment, LABOAO has always adhered to the "quality first" production philosophy. It is our tireless pursuit to provide customers with high-quality products. In the past few years, the company has obtained a variety of qualification certificates, which reflect our strict requirements for products and the The affirmation of our products.

In order to ensure that each product can operate normally and be delivered to customers in good condition, we have very strict internal quality control and factory testing. We have passed ISO, CE, SGS and other certificates successively for exporting to all parts of the world. A solid foundation has been laid for laboratories, enterprises, hospitals, research institutes, universities and other places.



Our Workshop

We have a standard production workshop and a complete production team. They always produce a serious and responsible attitude to produce each product.

Our R&D team is made up of multi-aspects professional engineers such as design engineer, technology specialist, qualified specialist and process control manager, etc.





Standardized Production Line

We have 5 main production lines, which are laboratory equipment, distillation and extraction equipment, biological treatment equipment, optical analysis equipment, and low-temperature storage equipment production lines.

Our qualified specialists strictly realize the process comprehensive supervision based on our quality process control system, which contains products design, research and development, test, production, quality inspection and packaging.

We guarantee the quality and functionality of our products and will continue to help you quickly and efficiently whenever something does not operate to your satisfaction.

Product Warehouse



Market Area

We strive to provide high quality products and sincere and professional services to customers around the world, has been highly recognized by customers in more than 120 countries and regions.

Up to now, we have provided more than 80,000 instruments and devices to more than 25,000 users worldwide.



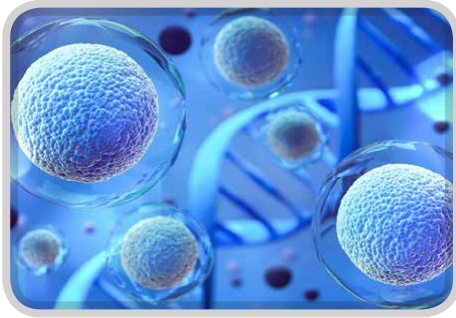
Packing & Shipping

Our supply chain management team will fulfill each order and ensure on-time delivery. Sales item by item, usually shipped within 1 to 3 weeks.

Our product packaging has been proven over the long term and we usually have plywood boxes or cartons with trays. In order to save you transportation costs, we usually use cardboard boxes (small goods) or wooden boxes (large or heavy goods). We will arrange the appropriate packaging according to the weight and size of the goods. Of course, you can also choose the packaging form.



Application



Biopharmaceuticals



Petrochemicals



Food Beverage



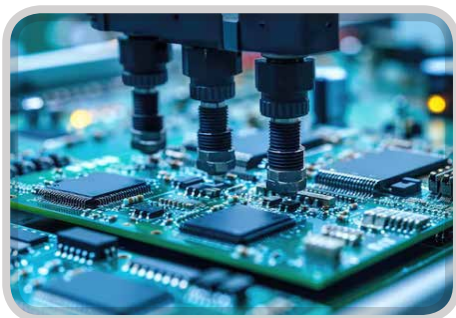
Plant Agriculture



Environmental Analysis



Medical Research



Industrial Electronics



New Materials New Energy

LABOAO Worry Free Service



Pre-sale Service

- 24 hours pre-sales consultant support.
- Professional technical consultation, providing support from technical solutions to installation and use.
- Product selection by customer demands.



Sale Service

- Track your order production progress and keep you informed.
- Timely production and on time delivery.
- Send package drawings and videos before shipment, product acceptance..
- Relevant guidance, installation, debugging, trial operation, etc.



After-sale Service

- One year warranty period and all life maintenance.
- Free replacement of accessories during the warranty period.
- Remote technical support, technical engineers can conduct overseas training.
- Regular return visits, immediate response to usage problems and repair notifications.



Quality Guarantee

- Each piece of equipment will be strictly tested before leaving the factory to ensure qualified.
- Standardized production line, high-standard quality management system, experienced production workers.



Transportation Guarantee

- Professional personnel packing, professional masters load the equipment on the vehicle to ensure that it will not be damaged during transportation.
- Scaled production, sufficient supply, to ensure timely delivery.
- debugging, trial operation, etc.



Technical Guarantee

- Technical support provided by a team of engineers with many years of industry experience.
- Professional after-sales team, 7*24 hours after-sales service to make customers more worry-free.

OEM Service

- Provide "private label" or "common brand" versions of LABOAO standard products. We can print your company's logo and stick it on the product.
- Provide product printed materials, such as catalogs and user manuals, with your company logo, name and other information you want to display.
- Based on our original products, we can customize products that meet your requirements according to your specific needs (such as size, color, function, accessories, etc.)

10

INCUBATOR SHAKER

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Magnetic Drive Incubator Shaker

Shaking incubators are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. Magnetic drive incubator shaker uses magnetic drive movement, ultra quiet operation, safe and reliable, no belt drive, high cleanliness. The speed control system has a speed terminal feedback system to keep the machine oscillating with high precision.

Features

- 3-axis eccentric magnetic force to drive, stable and reliable and long service life.
- Up to three units are stack-able, utilize vertical space, large capacity.
- PID control technology and fuzzy control technology.
- Capacitive, 7-inch color touch screen.
- With 12-segment programming operation.
- High efficiency, low energy consumption and more accurate refrigeration.
- Optionally WIFI monitoring system, multiple mobile phones can remotely monitor the same machine.



Specification

Model	LIS-AM	LIS-ACM	LIS-A5CM
Display method	Capacitive, 7-inch color touch screen		
Rotation speed	0(stop), 30-300rpm		
Rotation accuracy	±1 rpm		
Amplitude	26mm	26mm	50mm
Max capacity	50ml*72/100ml*30/150ml*30/200ml*30/250ml*30/500ml*17/1000ml*12/2000ml*8/5000ml (Thomson)*4		
Temperature control range	Below room temperature 18°C -60°C (max. 4°C)		
Temperature control accuracy	±0.1°C		
Temperature uniformity	±0.3°C(@37°C)		
CO2 sensor	-	IR (infrared)	
CO2 concentration control range	-	0-20%	
CO2 concentration control accuracy	-	±0.1%	
Timing range	0-999 hours and 59 minutes		
Net weight	170kg		
Dimensions	970*780*(530+80 High feet) mm		
Power supply	AC 220V+/-22V, 50HZ/60HZ		

LIS Series CO2 Incubator Shaker

Shaking incubators are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. Incorporated carbon dioxide constant temperature shaker is an advanced instrument for bacteria culture, fermentation, crossover and biochemical reactions, enzymes, cell tissue research, etc., cell, tissue, and bacterial culture with a wide range of temperature, oscillation frequency and higher requirements.

Features

- Up to three units are stack-able, Utilize vertical space, Large capacity.
- P.I.D control, 12-segment, LDC display.
- 3-axis eccentric balance movement, stable and reliable and has long service life.
- IR (infrared) CO2 sensor with +/-0.1% control accuracy.
- DC brush less motor drive low noise, maintenance-free, long life, minimal heat.
- Strong cooling capacity can be cooled to 18°C below ambient temperature.
- Automatic recovery of incoming calls, powerful data storage function, real-time data query function, U disk export data function.



Specification

Model	LIS-6C	LIS-6C5	LIS-9C	LIS-9C5	LIS-4C	LIS-4C5
Display method	Capacitive, 10-inch color touch screen					
Rotation speed	0(stop), 30-300rpm					
Speed accuracy	±1 rpm					
Amplitude	26mm	50mm	26mm	50mm	26mm	50mm
Max. capacity	LIS-6C/ LIS-6C5 LIS-9C/ LIS-9C5	Flask clamp: 50mlx135 / 100mlx60 / 150mlx60 / 200mlx60 / 250mlx60 / 500mlx34 / 1000mlx22 / 2000mlx15 / 3000mlx12 / 5000mlx6				
		Sticky pad: 50mlx135 / 100mlx60 / 150mlx60 / 200mlx60 / 250mlx60 / 500mlx29 / 1000mlx22 / 2000mlx15 / 5000mlx6				
Max. capacity	LIS-4C/ LIS-4C5	Flask clamp: 50mlx104 / 100mlx45 / 150mlx45 / 200mlx45 / 250mlx40 / 500mlx25 / 1000mlx15 / 2000mlx12 / 5000mlx6				
		Sticky pad: 50mlx112/100mlx72/150mlx60/200mlx45/250mlx40/500mlx28/1000mlx15/2000mlx12/5000mlx6				
Temp control range	Below room temperature 18°C -60°C (minimum 4°C)					
Temp control accuracy	±0.1°C					
Temp uniformity	LIS-6C/ LIS-6C5 LIS-9C/ LIS-9C5: +/- 0.5°C (@37°C); LIS-4C/ LIS-4C5: +/- 0.3°C (@37°C)					
CO2 sensor	IR (infrared)					
CO2 concentration control range	0-20%					
CO2 concentration control accuracy	±0.1%					
Timing range	0-999 hours and 59 minutes					
Dimensions	1400x886x(600+80 foot height) mm		1380x875x(525+80 foot height) mm		1240x785x(535+80foot height)mm	
Net weight	320kg		295kg		260kg	270kg
Power supply	AC 220V+/-22V, 50/60HZ					

Master Series CO2 Incubator Shaker

Carbon dioxide oscillation incubator is a device that simulates a growth environment similar to that of cells/tissues in living organisms, such as stable temperature (37 °C), stable CO2 level (5%), constant pH, and high relative saturation humidity, to cultivate cells/tissues in vitro. It is widely used in fields such as immunology, oncology, genetics, and bioengineering.

Features

- Adopting a seven inch true color touch screen, switchable between Chinese and English, making operation more convenient.
- Single axis five dimensional dynamic balance drive structure, characterized by low energy consumption, long lifespan, and low noise.
- Imported double row bearings have the characteristics of high load, stable operation, and long service life.
- Servo motor drive, compared to AC or DC motors, has higher and more accurate speed control accuracy.
- Imported IR carbon dioxide sensor from Germany, with high measurement accuracy and long lifespan.
- Standard fluorescent and ultraviolet lamps.



Specification

Model	Master-LJX 2021R	Master-LJX 2023R
No load speed	0-300 rpm	0-300 rpm
Shake plate amplitude	25mm(50mm or 0-50mm amplitude adjustable)	25mm(50mm or 0-50mm amplitude adjustable)
Oscillation mode	Rotary or reciprocating	Rotary or reciprocating
Shake board size	780*500mm	940*530mm
Distance from the shaking plate to the top	353mm	379mm
Volume size	208L	282L
External dimensions	1200*797*640mm	1410*830*660mm
Stackable layers	3 levels	3 levels
Temperature range	4-60°C(RT-18°C.Minimum 4°C)	4-60°C(RT-18°C.Minimum 4 °C)
Temp Accuracy	±0.1°C	±0.1°C
Temperature uniformity	≤±0.5°C(@At 37 °C)	≤±0.5°C(@At 37 °C)
Convection mode	Forced convection	Forced convection
CO2 control range	0-20%	0-20%
CO2 control accuracy	±0.1%	±0.1%
CO2 homogeneity	±0.5%(@At 5%)	±0.5%(@At 5%)
Supply voltage	220V±10%,50/60Hz	220V±10%,50/60Hz
Weight (approximately)	322KG	370KG
Maximum loading capacity	2000ml*12 or 2000ml*12 or 500ml*28 or 250ml *40	5000ml*7 or 2000ml*15 or 1000ml *28 or 500ml *40 or 500ml *40

CO2 Incubator Shaker

Carbon dioxide oscillation incubator is a device that simulates a growth environment similar to that of cells/tissues in living organisms, such as stable temperature (37°C), stable CO2 level (5%), constant pH, and high relative saturation humidity, to cultivate cells/tissues in vitro. It is widely used in fields such as immunology, oncology, genetics, and bioengineering.

Features

- Adopting a seven inch true color touch screen, switchable between Chinese and English, making operation more convenient.
- Single axis five dimensional dynamic balance drive structure, characterized by low energy consumption, long lifespan, and low noise.
- Single-axis balanced drive, ultra-low mute.
- Imported double row bearings have the characteristics of high load, stable operation, and long service life.
- Servo motor drive, compared to AC or DC motors, has higher and more accurate speed control accuracy.
- Imported IR carbon dioxide sensor from Germany, with high measurement accuracy and long lifespan.
- The inner cavity material is made of 304 mirror all stainless steel material.
- The bottom of the inner cavity can be directly rinsed with water, and there is a drainage pipeline for easy cleaning.



Specification

Model	Master-LJX 2022R
No load speed	0-300 rpm
Shake plate amplitude	25mm(50mm or 0-50mm amplitude adjustable)
Oscillation mode	Rotary/reciprocating switchable
Shake board size	480*440mm
Distance from the shaking plate to the top	505mm
Volume size	170L
External dimensions	715*900*810mm
Stackable layers	2nd floor
Temperature range / accuracy	4-60°C(RT-18°C.Minimum 4°C) / ±0.1°C
Temperature uniformity	≤±0.5°C(@At 37 °C)
Convection mode	Forced convection
CO2 control range / accuracy	0-20% / ±0.1%
CO2 homogeneity	±0.5%(@At 5%)
Supply voltage	220V±10%,50/60Hz
Weight (approximately)	235KG
Maximum loading capacity	5000ml*4 or 2000ml *5 or 1000ml *9 or 500ml *16 or 250ml*25

189L Stackable Horizontal Lab Incubator Shaker

LABOAO supplied the LJS-2012 stackable horizontal lab incubator shaker are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for laboratory working on cell culture, cell aeration and solubility experiments.

Features

- Up to three units are stack-able,utilize vertical space, large capacity.
- P.I.D control,8-segment programming,true color touch screen.
- Single-axis balanced drive,ultra-low mute.
- Over-temperature and over-speed alarm, sensor fault identification, over-temperature, leakage and over-current protection.
- Speed storage,automatic shutdown,temperature and speed correction, watchdog timer, clock display, Power failure recovery function, parameter memory, parameter encryption, one key to restore factory settings.
- Air-cooled,R134a power controllable refrigeration frost-free operation
- Inner cavity material:304 mirror SUS,Outer box material:ductile iron, channel steel,angle steel, medium plate,cold rolled steel plate.



Specification

Model	LJS-2012	LJS-F2012	LJS-D2012	LJS-2012R	LJS-F2012R	LJS-D2012R
Display	7 inch true color touch screen					
Oscillation mode	Orbital	Reciprocating	Orbital	Orbital	Reciprocating	Orbital
Max.stack	3 units					
Temperature range	RT+5°C-60°C			4°C-60°C		
Temperature accuracy	±0.1°C					
Temperature fluctuation	≤±0.2°C					
Temp uniformity	≤±1°C(at 37°C)					
Speed range	30-300rpm					
Speed accuracy	±1rpm					
Array amplitude	25mm	25mm	50mm	25mm	25mm	50mm
Timer range	0.999.59 hours / sustainable					
Max.capacity	250ml*40/500ml*28/1000ml*15/2000ml*12/customization					
Net weight	160kg		260kg	180kg	280kg	
Dimensions	1150*780*640(single) Without foot 90mm					
Power supply	AC 200-240V 50-60HZ					

265L Large Capacity Stackable Horizontal Incubator Shaker

LABOAO supplied the LJS-2016 stackable horizontal incubator shaker are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for laboratory working on cell culture, cell aeration and solubility experiments.

Features

- Two oscillation modes, cyclotron oscillation or reciprocating oscillation mode.
- The large internal space can accommodate up to 2L of culture flasks.
- Sound and light report alarm environment scanning processing chip, with more powerful data processing functions.
- Eight sections of self-programming, each program can set different speed and time to realize the programming operation of speed and appointment time.
- With power-off recovery function, after the external power supply suddenly loses power and calls again, the device can automatically resume operation according to the original setting program.
- Over-temperature sound and light alarm function, motor overheating, temperature out of control, abnormal over-temperature instrument automatically cut off their respective power supply.



Specification

Model	LJS-2016	LJS-F2016	LJS-D2016	LJS-2016R	LJS-F2016R	LJS-D2016R
Display	True color touch screen					
Oscillation mode	Orbital	Reciprocating	Orbital	Orbital	Reciprocating	Orbital
Max.stack	3 units					
Temperature range	RT+5°C-60°C			4°C-60°C		
Temperature accuracy	±0.1°C					
Temperature fluctuation	≤±0.1°C					
Temperature uniformity	≤±1°C(at 37°C)					
Speed range	30-300rpm					
Speed accuracy	±1rpm					
Amplitude	25mm	25mm	50mm	25mm	25mm	50mm
Timer range	0.999.59 hours / sustainable					
Max.capacity	250ml*60/500ml*40/1000ml*24/2000ml*15/customization					
Net weight	180kg		280kg	220kg	320kg	
Dimensions	1410*785*640H (single) Without foot 90mm					
Power supply	AC 200-240V 50-60HZ					

Large Capacity Shaking Incubator with Water Washing

The full-temperature oscillating incubator is a device that uses a motor-driven platform to perform cycloidal oscillation or reciprocating oscillation to provide a suitable growth environment for microorganisms, cells, tissues, etc. It is widely used in biology, medicine, agriculture, environmental science and other fields.

Features

- The screen adopts a seven-inch true color touch screen, which can be switched between Chinese and English.
- The operating system has functions such as three-level permission management and operation log query and export.
- Single-axis five-dimensional dynamic balance drive structure has the characteristics of low energy consumption, long life and low noise.
- Servo motor drive, compared with AC motor or DC motor, the speed control accuracy is higher and more accurate.
- The inner cavity material is made of high-quality 304 mirror finish stainless steel.
- One time tempered hot bending glass door with good thermal insulation performance, easy to observe the internal shaking bottle.



Specification

Model	LIS-2017R
No-load speed	0-300 rpm
Speed accuracy	±1rpm
Rocking plate amplitude	25mm(50mm or 0-50mm amplitude adjustable)
Oscillation mode	Rotary or reciprocating
Rocking board size	940*530mm
Distance from rocking plate to top	394mm
Volume size	260L
Dimensions	1410*790*660mm
Number of stackable layers	3rd floor
Temperature control range / accuracy	4-60°C(RT-18°C.Minimum4°C) / ±0.1°C
Temperature uniformity	≤±0.5°C(@At37°C)
Temperature Edit	5 groups/30 curves
Timing range	0-9999H (or min)
UV lamp/fluorescent lamp	YES
Supply voltage	220V±10%±50/60Hz
Weight	219kg (approximately) / 354KG (approx)
Maximum load	5000ml*7 or 1000ml *28 or 3000ml*11 or 500ml*40 or 2000ml*15 or 250ml *60
Maximum loading capacity	3000ml*5 or 2000ml *6 or 1000ml *12 or 500ml *20 or 250ml *30 or Microporous plate*16

122L Stackable Horizontal Incubator Shaker

LABOAO supplied the LJS-2020 stackable horizontal incubator shaker are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for laboratory working on cell culture, cell aeration and solubility experiments.

Features

- Up to three units are superimposed, can also be used and placed on table independently.
- 7-inch LCD colorful touch screen, easy to operate.
- 304 stainless steel mirror arc corners material in the working chamber.
- High-quality variable frequency motor, low vibration, low noise, high efficiency, wide speed regulation.
- Over-temperature sound and light alarm function, motor overheating, temperature out of control, abnormal over-temperature instrument automatically cut off their respective power supply.
- Intelligent sound and light alarm environment scanning microprocessor controller.



Specification

Model	LJS-2020	LJS-2020R
Oscillation mode	Reciprocating/ Orbital Switch	
Room temperature	15°C-35°C	
Maximum stack	3sets	
Temperature range	RT+5°C~60°C	4°C-60°C
Temperature accuracy	0.1°C	
Temperature fluctuation	≤±0.2°C	
Temperature uniformity	≤±1°C (at 37°C)	
Speed range	30-300rpm	
Speed accuracy	±1rpm	
Amplitude	25mm	
Max. capacity	250ml*30 or 500ml*20 or 1000ml*12 or 2000ml*6 or 3000ml*5	
Net weight	105kg	120kg
Volume	122L	
Inner size	610*505*395mm	
Dimension	910*710*630mm(one unit)	
Others	Lighting/ UV light	
Power	600w	800w
Voltage	AC 200~240V 50~60Hz	

High Speed Full Temperature Stackable Oscillation Incubator

The GS high-speed full temperature oscillation incubator is very suitable for high-throughput microplate cultivation, and can cultivate more than dozens of biological samples at once, making it a powerful tool for biological optimization screening; Widely used in small cell culture, microplate culture, high-throughput screening, such as gene analysis, cell screening, etc.

Features

- Large LCD screen display, multi parameter display and monitoring, convenient human-machine interaction operation.
- The oscillation mode of the same host can be directly switched between rotary and reciprocating modes.
- Single axis five dimensional dynamic balance drive structure, characterized by low energy consumption, long lifespan, and low noise.
- Imported double row bearings have the characteristics of high load, stable operation, and long service life.
- The inner cavity material is made of high-quality 304 mirror finish stainless steel.
- One time tempered hot bending glass door with good thermal insulation performance, easy to observe the internal shaking bottle.



Specification

Model	LGS-2020R
No load speed	0-800rpm(1200)
Speed accuracy	±1rpm
Shake plate amplitude	3mm(1.5mm)
Oscillation mode	Rotary/reciprocating switchable
Shake board size	542*445mm
Distance from the shaking plate to the top	380mm
Volume size	122L
External dimensions	910*740*640mm
Stackable layers	3°C
Temperature range / accuracy	4-60°C(RT-18°C.Minimum 4 °C) / ±0.1°C
Temperature uniformity	≤±0.5°C(@At 37°C)
Convection mode	Forced convection
Temperature editing	5 sets/30 segments of curves
Timing range	0-9999H (or min)
Purple light lamp/fluorescent lamp	Yes
Supply voltage	220V±10%,50/60Hz
Weight (approximately)	219KG
Maximum loading capacity	3000ml*5 or 2000ml *6 or 1000ml *12 or 500ml *20 or 250ml *30 or Microporous plate*16

Red And Blue Light Superimposed Incubator Shaker

The red and blue light superimposed incubator shaker is suitable for tissue culture and plant development, growth and cultivation. This series is equipped with red and blue light function, built-in top light, special biological light source, providing the light required for the cultivation of laboratory plants, seeds, plant cells, microorganisms, viruses, etc., with good spectral characteristics and low heat. The ratio of red and blue light can be flexibly set. It can run independently with 24-segment programming, and can also run with synchronized temperature programming.

Features

- Microcomputer program control: temperature and illuminance, which can simulate the temperature and humidity changes during the day and night (optiona).
- TMulti-segment programming: 24 segments can be programmed, each segment can be set for 999 hours.
- Independent limit temperature protection: automatically interrupt when the limit temperature is exceeded to ensure safety.
- CO2 infrared sensor: accurate, sensitive, not affected by temperature and humidity, long life.
- CO2 infrared sensor: accurate, sensitive, not affected by temperature and humidity, long life.
- Remote monitoring: optional mobile Wifi remote monitoring or computer remote monitoring (optiona).



Specification

Model	LIS-6BRL	LIS-6BRLT	LIS-6CBRL	LIS-6C5BRL	LIS-6C5BRLT
Rocking plate size	900x560mm				
Number of flask holders/ dhesive pads	Flask holder: 50mlx135 / 100mlx60 / 150mlx60 / 200mlx60 / 250mlx60 / 500mlx34 / 1000mlx22 / 2000mlx15 / 3000ml(Thomson)x12 / 5000ml(Thomson)x6 Adhesive pad: 50mlx187 / 100mlx112 / 150mlx104 / 200mlx84 / 250mlx77 / 500mlx40 / 1000mlx28 / 2000mlx15 / 5000ml(Thomson)x8				
Capacity	381L				
Maximum load	20kg				
Temperature control range	10°C~60°C (minimum 4°C) below room temperature when maximum light intensity				
Vibration amplitude	Φ26mm			Φ50mm	
Maximum humidity	no		95%		
Light intensity ccuracy	25Lux				
Light color	Red light, blue light				
Illumination avelength	Red light: 640~660nm, blue light: 430~450nm				
Uniformity of illumination	±500Lux (at maximum light intensity)				
Net weight	293kg		298kg		
Dimensions	1400x886x (600+80 foot height)mm				

155L Stackable Benchtop Shaking Incubator

Shaking incubators are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for laboratory working on cell culture, cell aeration and solubility experiments.

Features

- Up to three units are stack-able,utilize vertical space, large capacity.
- P.I.D control,8-segment programming,true color touch screen.
- Single-axis balanced drive,ultra-low mute.
- Over-temperature and over-speed alarm, sensor fault identification, over-temperature, leakage and over-current protection.
- Speed storage,automatic shutdown,temperature and speed correction, watchdog timer, clock display, Power failure recovery function, parameter memory, parameter encryption, one key to restore factory settings.
- Air-cooled,R134a power controllable refrigeration frost-free operation
- Inner cavity material:304 mirror SUS,Outer box material:ductile iron, channel steel,angle steel, medium plate,cold rolled steel plate.



Specification

Model	LJS-2013R	LJS-2013R-2
Display method	LCD	
Oscillation mode	Reciprocating/ Orbital switching	Orbital
Max.stack	2 units	
Temperature range	4°C-60°C	
Temperature accuracy	±0.1°C	
Temperature fluctuation	≤±0.2°C	
Temperature uniformity	≤±1°C(at 37°C)	
Speed range	30-300rpm	
Speed accuracy	±1rpm	
Amplitude	φ25mm	
Timing range	0-999.59h/ Sustainable	
Max capacity	5000ml*4 or 1000ml*9 or 500ml*16 or 250ml*20	500ml*32 or 250ml*40 or 100ml*60 or 50ml*60
Rocking plate	1 layer	2-layer
Gross weight	135kg/set	
Inner cavity size	560*500*555H(mm)	
Dimensions	650*820*810H(Single)/ Without foot 90mm	
Power supply	AC 200-240V 50-60HZ	

Touch Screen Stackable Benchtop Incubator Shaker

Shaking incubators are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for laboratory working on cell culture, cell aeration and solubility experiments.

Features

- Up to three units are stack-able,utilize vertical space, large capacity.
- P.I.D control, 8-segment programming,LCD display.
- Single-axis balanced drive,ultra-low mute.
- Over-temperature and over-speed alarm, sensor fault identification, over-temperature, leakage and over-current protection.
- Speed storage,automatic shutdown,temp and speed correction, watchdog timer, clock display.
- Power failure recovery function, parameter memory, parameter encryption, one key to restore factory settings.
- Air-cooled,R134a power controllable refrigeration frost-free operation
- Inner cavity material:304 mirror SUS,Outer box material:ductile iron, channel steel,angle steel, medium plate,cold rolled steel plate.



Specification

Model	LJS-2019R
Display mode	7 inch true color touch screen
Oscillation mode	Reciprocating/ Orbital Switch
Max.stack	3 units
Temperature range	4°C-60°C
Temperature accuracy	±0.1°C
Temperature fluctuation	≤±0.2°C
Temperature uniformity	≤±0.5°C(at 37°C)
Speed range	30~300rpm
Speed accuracy	±1rpm
Amplitude	Φ25mm
Timing range	0-999.59 hours/sustainable
Max. capacity	2000ml*5 or 1000ml*9 or 500ml*9 or 250ml*16/customization
Net weight	130kg
Dimensions	580x720x580 (mm) single unit
Power source	AC 200~240V 50~60HZ

Double Row Double Control Constant Temperature Shaker

Shaking incubators are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for laboratory working on cell culture, cell aeration and solubility experiments.

Features

- Two operating studio, two independent controls.
- Double layer shaking plate, large internal space.
- P.I.D control, 8-segment programming, 7-inch true color touch screen
- Single-axis balanced drive, ultra-low mute.
- Over-temp and over-speed alarm, sensor fault identification, over-temperature, leakage and over-current protection.
- Speed storage, automatic shutdown, temperature and speed correction, watchdog timer, clock display, power failure recovery function, parameter memory, parameter encryption, one key to restore factory settings.
- Embedded built-in micro printer, USD interface.
- Air-cooled, R134a power controllable refrigeration frost-free operation.



Specification

Model	LK-2018R
Control method	P.I.D(Microcomputer environment scanning micro processing chip)
Display method	7-inch true color touch screen
Oscillation mode	Orbital
Temperature range	4°C-60°C
Temperature accuracy /fluctuation / uniformity	±0.1°C / ±0.2°C / ±1°C(at37°C)
Rotation frequency	30-300rpm
Rotation accuracy	±1rpm
Pendulum amplitude	Φ25mm
Timing range	0-999.59h/ Sustainable
Rocker size	498*490(mm)
Number of rocking plates	4 blocks
Maximum capacity	250ml*100 or 500ml*64 or 50ml*224 or 1000ml*36 or 100ml*196 or 2000ml*24
Net weight	470kg
Volume	268L*2
Dimensions	1350*700*1568mm (with adjustable foot/roller)
Annex	Lighting, ultraviolet light
Power supply	AC 200-240V 50/0HZ

Large Capacity CFC-free Refrigeration Double Door Incubator

Shaking incubators are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for laboratory working on cell culture, cell aeration and solubility experiments.

Features

- P.I.D control, repeat, pace, 8-segment programming, LCD display.
- Single-axis balanced drive, ultra-low mute.
- Over-temp and over-speed alarm, sensor fault identification, over-temperature, leakage and over-current protection..
- Speed storage, automatic shutdown, temperature and speed correction, watchdog timer, clock display,
- Power failure recovery function, parameter memory, parameter encryption, one key to restore factory settings.
- Air-cooled, R134a power controllable refrigeration frost-free operation
- Inner cavity material: 304 mirror SUS, Outer box material: ductile iron, channel steel, angle steel, medium plate, cold rolled steel plate.



Specification

Model	LH-2102	LH-2112B	LH-2102C
Oscillation mode	Orbital		
Temp control range	4°C-60°C		
Temp accuracy	±0.1°C		
Temp fluctuation	≤±0.2°C		
Temp uniformity	≤±1°C(at 37°C)		
Speed range	30-300rpm		
Speed accuracy	±1rpm		
Pendulum amplitude	Φ25mm	Φ35mm	Φ25mm
Timing range	0-999.59h/ Sustainable		
Number of rocking plates	Two		
Net weight	235kg	456kg	165kg
Dimensions	950*740*1400 mm	1200*850*1550 mm	
Power supply	AC 200-240V 50-60HZ		
Capacity (max)	50ml*104/100ml*104/250ml*56/500ml*44/1000ml*30	50ml*164/100ml*164/250ml*90/500ml*70/1000ml*36/2000ml*30	50ml*48/100ml*48/250ml*30/500ml*24/1000ml*12

INCUBATOR SHAKER

Small Capacity Benchtop Lab Incubator Shaker

Shaking incubators are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for laboratory working on cell culture, cell aeration and solubility experiments.

Features

- The original patented technology of the original single-axis balance drive balancing device.
- The oscillation frequency can be extended over a wide range to 30-400/600 rpm.
- LCD display double displays each set parameter and measured parameter.
- Over-temperature sound and light alarm function, motor overheating, temperature out of control, abnormal over-temperature instrument automatically cut off their respective power supply.
- With power-off recovery function, after the external power supply suddenly loses power and calls again, the device can automatically resume operation according to the original setting program.
- ABS special engineering plastic case, large screen tempered hot bending glass window.



Specification

Model	LH-103B	LH-100B	LH-100D
Display method	LCD		
Oscillation mode	Orbital oscillation		
Temperature control range	RT+5°C-60°C		4°C-60°C
Temperature accuracy	±0.1°C		
Temperature fluctuation	≤±0.2°C		
Temperature uniformity	≤±1°C(at 37°C)		
Speed range	30-400rpm		
Speed accuracy	±1rpm		
Amplitude	25mm		50mm
Timing range	0-999.59h/ Sustainable		
Net weight	31kg	72kg	
Dimensions	440*419*420(mm)	610*610*510(mm)	
Voltage	AC 200~240V 50~60Hz		
Capacity (max)	50ml*9,100ml*9,250ml*5	50ml*16,100ml*16,250ml*12,500ml*9,1000ml*5	

Small Capacity Benchtop Lab Incubator Shaker

Shaking incubators are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for laboratory working on cell culture, cell aeration and solubility experiments.

Features

- The original patented technology of the original single-axis balance drive balancing device.
- The oscillation frequency can be extended over a wide range to 30-400/600 rpm.
- LCD display double displays each set parameter and measured parameter.
- Over-temperature sound and light alarm function, motor overheating, temperature out of control, abnormal over-temperature instrument automatically cut off their respective power supply.
- With power-off recovery function, after the external power supply suddenly loses power and calls again, the device can automatically resume operation according to the original setting program.
- ABS special engineering plastic case, large screen tempered hot bending glass window.



Specification

Model	LH-103D	LH-200B	LH-200D
Display method	LCD		
Oscillation mode	Orbital oscillation		
Temperature control range	RT+5°C-60°C	4°C-60°C	
Temperature accuracy	±0.1°C		
Temperature fluctuation	≤±0.2°C		
Temperature uniformity	≤±1°C(at 37°C)		
Speed range	30-600rpm		
Speed accuracy	±1rpm		
Amplitude	50mm	25mm	50mm
Timing range	0-999.59h/ Sustainable		
Net weight	31kg	100kg	
Dimensions	440*419*420(mm)	700*740*560(mm)	
Voltage	AC 200~240V 50-60Hz		
Capacity (max)	50ml*9,100ml*9,250ml*5	50ml*25,100ml*25,250ml*16,500ml*9,1000ml*9,2000ml*5	

High Speed Full Temperature Benchtop Oscillation Incubator

The G5 high-speed full temperature oscillation incubator is very suitable for high-throughput microplate cultivation, and can cultivate more than dozens of biological samples at once, making it a powerful tool for biological optimization screening; Widely used in small cell culture, microplate culture, high-throughput screening, such as gene analysis, cell screening, etc.

Features

- Large LCD screen display, multi parameter display and monitoring, convenient human-machine interaction operation.
- The oscillation mode of the same host can be directly switched between rotary and reciprocating modes.
- Single axis five dimensional dynamic balance drive structure, characterized by low energy consumption, long lifespan, and low noise.
- Imported double row bearings have the characteristics of high load, stable operation, and long service life.
- The inner cavity material is made of high-quality 304 mirror finish stainless steel.
- One time tempered hot bending glass door with good thermal insulation performance, easy to observe the internal shaking bottle.



Specification

Model	LGS-200B
No load speed	20-800rpm(1200)
Speed accuracy	±1rpm
Shake plate amplitude	3mm(1.5mm)
Oscillation mode	Rotary/reciprocating switchable
Shake board size	420*400mm
Distance from the shaking plate to the top	340mm
Volume size	83L
External dimensions	778*685*600mm
Internal dimensions	490*470*360mm
Temperature range / accuracy	4-60°C(RT-15C.Minimum 4°C) / ±0.1°C
Temperature uniformity	≤±1°C(@At 37°C)
Convection mode	Forced convection
Temperature editing	Repetitive/paced/8-segment curve
Timing range	0-999.59H
Opening height	990mm
Supply voltage	220V±10%,50/60Hz
Weight (approximately)	88KG
Maximum loading capacity	2000ml *4 or 1000ml *8 or 500ml*12 or 250ml *18 or 100ml *32 or Microporous plate*12

High Throughput Bioreactor Incubator Shaker

The high-throughput bioreactor shaker with PH measurement and feed control is suitable for screening and cultivating various microbial and genetic engineering strains. The high-throughput bioreactor shaker is superior to conventional shakers and bioreactors. Stable PH measuring device and fine feeding system. In order to further realize the control of the culture process, we have carefully designed the micro-feeding technology for the shake flask to realize the flow of various carbon and nitrogen, pH control or trace element control, which is of great significance for the dynamic research of metabolism as the core.

Features

- pH setting: pH control parameters, acid-base pump switching can be set, and the peristaltic pump flow setting and feeding setting can be entered.
- Batch information: The corresponding batch number information can be written to the bottom space of this page; the data of the batch number can be exported to the USB flash drive.
- Historical curve: You can view all the curves of the current parameters, including temperature, speed and pH. You can flip through, flip back pages, and more.
- Automatic pH correction: You can enter the DO correction.
- DO automatic correction: Before calibration, the general system has a zero point and slope, standard value by default.
- Peristaltic pump calibration: All peristaltic pumps can be used to input the flow rate of the pump. When the peristaltic pump is "automatic", it will automatically accumulate the additional amount. Correction of peristaltic pump flow rate,
- Batch number before fermentation start: Real-time curve and automatic state can be monitored to pH. At the same time, it can also enter the pH independent real-time curve and the pH real-time curve that can enter the adjacent bioreactor.
- Real-time report settings: real-time report 1 minute, 10 minutes, 60 minutes real-time report, historical curve, batch information.
- Speed and temperature: In addition to the correction function including speed and temperature, you can also set the control mode: automatic and tracking;
- Temperature multi-stage control: Temperature multi-stage control can be controlled in multiple stages.
- Temperature real-time curve and pH real-time curve: Data can be read from the cache for plotting real-time curves. At the same time, you can set the X and Y axes of the curve.
- Current alarm: The current real-time alarm is in the upper part, and the lower part is the historical alarm. You can set the upper and lower limits of each parameter and control the dead zone.



Specification

Model	Dai-LPH-08
Control method	PLC control
Display method	10-inch large color touch screen
Control channel	Swiss METTLER PH pole, Siemens PLC controller, acid-base feeding system
PH control range	2-12
Temperature range	4°C-60°C
Temperature accuracy	±0.1°C
Temperature uniformity	±0.5°C
Rotation frequency range	30-300rpm
Rotation accuracy	±1rpm
Feed control range	0.2ml-200ml/min
Motor	120W Inverter motor
Maximum capacity	1000ml*6/2000ml*6
Sampling and inoculation	Syringe type
Tank body	High borosilicate glass can with PH internal threaded connection on top
Intelligent function	Color touch screen, data storage without a computer
Oscillation mode	Orbital
Amplitude	φ25(mm)
Net weight	280kg
Dimensions	1280*660*1440(mm)
Power supply	AC 200-240V 50-60HZ
Scalable control	temperature check
	Light culture
	Feed weighing / ORP
	On-line detection of exhaust O ₂ CO ₂
	On-line detection of methyl (B) alcohol content
	On-line detection of bacterial concentration, biomass, turbidity

Horizontal Constant Temperature Shaker

Shaking incubators are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for laboratory working on cell culture, cell aeration and solubility experiments.

Features

- LCD display double displays each set parameter and measured parameter.
- Over-temperature sound and light alarm function, motor overheating, temperature out of control, abnormal over-temperature instrument automatically cut off their respective power supply.
- With power-off recovery function, after the external power supply suddenly loses power and calls again, the device can automatically resume operation according to the original setting program.
- Can accommodate 5L culture bottles to meet your experimental needs,
- Intelligent sound and light alarm environment scanning microprocessor controller.
- The oscillation frequency can be extended over a wide range to 50-300rpm.



Specification

Model	LH-211B	LH-211C
Display method	LCD	
Oscillation mode	Orbital	Orbital
Temperature control range	4-60°C	
Temperature accuracy	±0.1°C	
Temperature fluctuation	≤±0.2°C	
Temperature uniformity	≤±1°C(at 37°C)	
Speed Range	30-300rpm	
Speed accuracy	±1rpm	
Amplitude	Φ25mm	Φ25mm
Timing range	0-999.59h/ Sustainable	
Net weight	159kg	168kg
Dimensions(mm)	1250*740*840	1250*740*980
Power supply	AC 200-240V 50-60HZ	
Capacity (max)	250ml*40/500ml*28/1000ml*18/2000ml*11	250ml*40/500ml*28/1000ml*18/2000ml*11/3000ml*8/5000ml*6

Water Bath Incubator Shaker

Water bath incubator shaker is a kind of biochemical instrument with temperature controlled constant temperature water bath and oscillator. It is mainly suitable for oscillation cultivation of various liquid and solid compounds such as biology, biochemistry, cells, bacteria, etc. in scientific research departments such as colleges and universities, medical treatment, petrochemical industry, health and epidemic prevention, environmental monitoring, etc.

Features

- P.I.D control, 8-segment curve programming, LCD display.
- Single-axis balanced drive, ultra-low mute.
- Over-temp and over-speed alarm, sensor fault identification, over-temperature, leakage and over-current protection.
- Speed storage, call recovery, parameter memory, temperature speed correction, clock display.
- Inner cavity material: 316 SUS, Acid and alkali resistance, corrosion resistance.
- Outer box material: ductile iron, channel steel, angle steel, medium plate, cold rolled steel plate.



Specification

Model	LH-110*12(Desktop)	LH-110*24(Desktop)	LH-110*48(Floor-standing)
Display method	LCD		
Oscillation mode	Reciprocating oscillation		
Frequency	20-200rpm		
Frequency accuracy	±1rpm		
Stroke range	φ25mm		
Capacity (max)	250ml*12/500ml*8/1000ml*6	250ml*24/500ml*15/1000ml*8	250ml*48/500ml*30/1000ml*20
Timing range	0-999.59 hours		
Temperature control range	Ambient temperature-100°C		
Temperature control accuracy	±0.1(Constant temperature state)		
Temperature uniformity	±0.2°C		
Number of rocking plates	One		
Dimensions	760*420*370(mm)	945*495*408(mm)	780*586*80(mm)
Net weight	45kg	55kg	80kg
Voltage	AC 200-240V 50-60HZ		

Single Layer Orbital Shaker with Large Amplitude

The LH floor-standing shaking incubator is a device that uses a motor-driven platform to oscillate to provide a suitable growth environment for microorganisms, cells, tissues, etc. It is widely used in biology, medicine, agriculture, environmental science and other fields.

Features

- Seven-inch color touch screen display, multi-parameter display and monitoring, convenient human-computer interaction.
- Single-axis five-dimensional dynamic balance drive structure has the characteristics of low energy consumption, long life and low noise.
- Imported double-row bearings have the characteristics of large load, stable operation and long life.
- The core components of the machinery are all made of mold-formed ductile iron, which has good stability and long service life.
- Eight-segment temperature curve editing program function, the upper limit of the timing range is 999 hours.
- It has the functions of emergency stop, hardware interlock, software interlock, overspeed and stall sound and light alarm, short circuit, leakage and overload protection device.
- The cabinet is made of high quality, high strength cold rolled steel, medium, channel, angle and cast iron.



Specification

Model	LH-C311D	LH-C311TD	LH-C322D	LH-C322TD
No-load speed	30-300 rpm	30-250 rpm	30-300 rpm	30-250 rpm
Speed accuracy	±1 rpm	±1 rpm	±1 rpm	±1 rpm
Rocking plate amplitude	50mm	100mm	50mm	100mm
Oscillation mode	Roundabout	Roundabout	Roundabout	Roundabout
Rocking board size	840*620mm	840*620mm	1108*740mm	1108*740mm
Dimensions	900*678*380mm	900*678*380mm	1270*810*840mm	1210*795*380mm
Display mode	7-inch color touch screen	7-inch color touch screen	7-inch color touch screen	7-inch color touch screen
cycle mode	natural convection	natural convection	natural convection	natural convection
Speed edit	8-segment speed programming	8-segment speed programming	8-segment speed programming	8-segment speed programming
Timing range	0-9999H(or min)	0-9999H(or min)	0-9999H(or min)	0-9999H(or min)
Supply voltage	220V±10%±50/60Hz	220V±10%±50/60Hz	220V±10%±50/60Hz	220V±10%±50/60Hz
Weight (approx)	200KG	200KG	476KG	320KG
Maximum load	5000ml*6 or 500ml*37 or 1000ml*24 or 250ml*58	5000ml*6 or 500ml*37 or 1000ml*24 or 250ml*58	1000ml*80 or 250ml*192 or 500ml*120	5000ml*12 or 1000ml*40 or 500ml*60 or 250ml*96

Multi-layered Large Capacity Orbital Shaker

LABOAO supplies double layer large capacity orbital shaker for centralized constant temperature and cluster shaking in specific constant temperature rooms. The production process takes into account the influence of temperature, humidity, acidity and other factors on product reliability, and the original single-axis drive mechanism is silent and durable.

Features

- Eight sections of self-programming, each program can set different speed and time.
- Automatic operation, automatic stop, timed operation, clock display, call recovery, parameter memory.
- Independent overspeed sound/light alarms, independent leakage, and over-current protection devices.
- The original single-axis drive mechanism in China is quiet and durable.
- Motor overheating, temperature out of control automatic power off protection device.
- The electrostatic color spray box is beautiful and rustproof, and has an aesthetic design concept.
- The cabinet is made of high quality, high strength cold rolled steel, medium, channel, angle and cast iron.



Specification

Model	LH-C3112	LH-C3222	LH-C3332	LH-C3432
Display	LCD			
Oscillation mode	Orbital			
Speed frequency	30-300rpm			
Timing range	0-999.99 hours / sustainable			
Speed accuracy	±1rpm			
Amplitude	50mm			
Layers	2	2	2	3
Rocker size(mm)	840*620	1108*740	1080*680	1080*680
Rocker QTY	2	2	4	6
Capacity (max)	250ml*108/500ml*70/ 1000ml*48	250ml*192/500ml*120/ 1000ml*80	250ml*300/500ml*216/ 1000ml*112	250ml*450/500ml*324/ 1000ml*168
net weight	250kg	400kg	750kg	850kg
Dimensions(mm)	910*680*820	1270*810*820	1590*1120*950	1590*1120*1310
Power supply	AC 200-240V 50-60HZ			

Single Layer Orbital Shaker with 25mm Amplitude

The LH floor-standing shaking incubator is a device that uses a motor-driven platform to oscillate to provide a suitable growth environment for microorganisms, cells, tissues, etc. It is widely used in biology, medicine, agriculture, environmental science and other fields.

Features

- Seven-inch color touch screen display, multi-parameter display and monitoring, convenient human-computer interaction.
- Single-axis five-dimensional dynamic balance drive structure has the characteristics of low energy consumption, long life and low noise.
- Independent overspeed sound/light alarms, independent leakage, and over-current protection devices.
- The core components of the machinery are all made of mold-formed ductile iron, which has good stability and long service life.
- Eight-segment temperature curve editing program function, the upper limit of the timing range is 999 hours.
- It has the functions of emergency stop, hardware interlock, software interlock, overspeed and stall sound and light alarm, short circuit, leakage and overload protection device.
- The cabinet is made of high quality, high strength cold rolled steel, medium, channel, angle and cast iron.



Specification

Model	LH-C331	LH-C332
No-load speed	30-300 rpm	30-300 rpm
Speed accuracy	±1 rpm	±1 rpm
Rocking plate amplitude	25mm	25mm
Oscillation mode	reciprocating	reciprocating
Rocking board size	840*620mm	1108*740mm
Dimensions	900*678*380mm	1210*795*380mm
Display mode	7-inch color touch screen	7-inch color touch screen
cycle mode	natural convection	natural convection
Speed edit	8-segment speed programming	8-segment speed programming
Timing range	0-9999H(or min)	0-9999H(or min)
Supply voltage	220V±10%±50/60Hz	220V±10%±50/60Hz
Weight (approx)	216KG	300KG
Maximum load	5000ml*6 or 1000ml*24 or 500ml*37 or 250ml*58	5000ml*12 or 1000ml*40 or 500ml*60 or 250ml*96

Stackable Combined Intelligent Shaker

The sample needs to be shaken in the solution experiment, the electrophoresis gel separation band fixation, the coomassie blue chromosome and the shaking silver nitrate chromosome during decolorization, the fixation, dyeing, and development.

Features

- Surface coating for chemical resistance.
- The combined oscillator has a large use space.
- Three-dimensional integrated partial three-wheel drive, smooth, stable, durable, and reliable, and the transmission shaft adopts interference.
- The installation method makes the product's mechanical structure stable, durable, and has a good mute effect.
- With timing function, the time setting range is 0-9999 minutes (hours).
- Power failure recovery function to avoid data loss caused by power failure or crash.
- Each layer can be controlled independently, and users can operate one, two or three layers arbitrarily according to their needs.



Specification

Model	LZY-7020A	LZY-7020B	LZY-7020C
Way	Triaxial		
Amplitude of gyration	Φ26mm (optional Φ50mm)		
Rotation frequency range	10-200r/min		
Cyclotron frequency accuracy	±1rpm		
Exterior	Cold rolled steel sheet, surface chemical resistant coating		
Tray	Stainless steel		
Rated power	200W		
Swivel control method	Color screen PID control		
Setting method	Touch the 5 button		
Run function	Fixed value timing operation		
Speed representation	LCD		
Rocking board size	1029*718		
Overall dimensions	1250*780*240	1250*780*900	1250*780*1530
Pallet layers	1	2	3
Net weight	100kg	255kg	350kg

Desktop Mini Lab Shaker

This is a desktop shaker that can be used directly in the greenhouse or in the incubator. It is widely used in the fixation of various electrophoresis gels, the shaking and shaking during Coomassie blue staining and decolorization, and the fixation and staining of silver nitrate staining.

Features

- The domestic original single-axis drive mechanism, silent operation, durable.
- Automatically memorize the last set speed, and slowly accelerate to the last running speed after starting up.
- The unique slow start circuit prevents sudden start and splashing, effectively ensuring the safety of reagents.
- Automatic power-off protection device for motor overheating and temperature out of control.
- High torque motor, maintenance-free, to ensure continuous work.
- The electrostatic color spray box is beautiful and rust-proof, and it has a very aesthetic design concept.



LH-304

Micro Centrifuge Tube Shaker

This is a desktop shaker that can be used directly in the greenhouse or in the incubator. It is widely used in the fixation of various electrophoresis gels, the shaking and shaking during Coomassie blue staining and decolorization, and the fixation and staining of silver nitrate staining. After the development, fixation and electrophoresis transfer of the X-ray film in the autoradiography experiment, the cellulose membrane is further processed, such as molecular hybridization, antigen-antibody reaction and staining, and cell culture.

Features

- Small and novel appearance.
- Single shaft balanced drive mode, long-term continuous silent operation.
- Speed and timing can be controlled.



LH-401

Specification

Model	LH-304	LH-401
Display method	LED	
Oscillation mode	orbital	
Speed range	30-300rpm	50-2000rpm
Speed accuracy	±1	±10
Swing amplitude	20mm	2mm
Standard configuration	250ml*9	50ml centrifuge tube *24(optional)
Net weight	16kg	20kg
Dimensions	395*300*200mm	300*240*250 mm
Power supply	AC200-240V 50-60HZ	AC200-240V 50-60HZ
Timer	/	0-60min
Maximum load	/	10kg

Desktop Mini Lab Shaker

This is a desktop shaker that can be used directly in the greenhouse or in the incubator. It is widely used in the fixation of various electrophoresis gels, the shaking and shaking during Coomassie blue staining and decolorization, and the fixation and staining of silver nitrate staining.

Features

- The domestic original single-axis drive mechanism, silent operation, durable.
- Automatically memorize the last set speed, and slowly accelerate to the last running speed after starting up.
- The unique slow start circuit prevents sudden start and splashing, effectively ensuring the safety of reagents.
- Automatic power-off protection device for motor overheating and temperature out of control.
- High torque motor, maintenance-free, to ensure continuous work.
- The electrostatic color spray box is beautiful and rust-proof, and it has a very aesthetic design concept.



Specification

Model	LH-310A	LH-310F	LDX-300	LDX-300D
Display method	LCD			
Oscillation mode	Orbital	Reciprocating	Orbital	Orbital/Reciprocating switchable
Speed range	30-300rpm			
Speed accuracy	±1			
Amplitude	25mm		Φ50mm	25mm
Timer	0-999.59			
Standard configuration	1000ml*12/500ml*15/250ml*24		/	1000ml*12/500ml*15/250ml*24
Net weight	40kg		60kg	40kg
Dimensions	550*480*280mm		/	550*480*280mm
Power rate	80W		/	80W
Power supply	AC200-240V 50-60HZ			

Desktop Digital Wrist Orbital Shaker For Lab

The wrist shaker adopts the maintenance-free design of spherical bearings, which simulates the vibration of the wrist and has a good vibration mixing effect.

Features

- In line with the United States Pharmacopoeia (USP) simethicone anti-foaming performance test.
- From mild to powerful simulated wrist oscillations with low noise and good mixing.
- It is suitable for reagent bottles, test tubes, wide-mouth bottles, narrow-mouth bottles, distillation bottles, separatory funnels, straight-mouth bottles, etc. The triangular claws can be retracted, the size can be adjusted, and the grip is firm.
- Sealed maintenance-free ball bearings, no need to add lubricating oil, no noise; 304 high-quality stainless steel wire drawing host, anti-rust and corrosion-resistant. • The high-quality aluminum arm is fixed in place with screws, and it is easy to disassemble.



Specification

Model	LZD-810	LZD-820
Control method	P. I. D microcomputer environment scanning micro processing chip control	
Display method	LCD liquid crystal display	
Programming control	Eight sections of user-programmed programs	
safety protection	Automatic operation, automatic stop, timing operation, clock display, call recovery, parameter memory, speed storage	
Cycle way	Natural convection	
Environmental requirements	User-specific constant temperature room or environment	
Driving method	wrist type	
Configuration at most	12 flask clamps	16 flask clamps
Angle	Tilt angle: 10°	
Rotation frequency	30-600rpm	
Rotation accuracy	±1rpm	
Host size	272*452*320 (mm)	
Work rate	60W	
Power supply	AC 200-240V 50-60HZ	
Material quality	The main machine is made of 304 stainless steel, casting chassis	

Portable Test Tube Rotating Mixer

The test tube rotating mixer is a uniquely designed product with a gentle rotation speed. Through the adjustment of the test tube plate, the sample can be rotated at any angle. It is widely used in various mixing situations such as molecular biology, chemistry, and clinical applications. Different test tube plates can be installed at the same time, and different angles can be adjusted to improve experiment efficiency.

Features

- Small size and easy operation.
- Five kinds of test tube plates are standard to meet the various needs of customers.
- In the open state, lightly press the test tube plate to rotate in the opposite direction.
- Low noise and stable operation.
- High-performance motor with long service life.



Specification

Model	LTR-01	LTR-02U
Product name	Test tube rotating mixer	
Main distinguishing features	Fixed speed	Speed display, adjustable speed
Rotating speed	16rpm	10-40rpm
Capacity	84 x0.5ml test tube, 60 x1.5ml / 2.0ml test tube, 28 x5ml / 7ml test tube, 24x10ml test tube, 6x50ml test tube	
Standard	Test tube holder: 2xTRA01, 2xTRA02, 2xTRA03, 2xTRA04, 1xTRA05	
Automatic call recovery function	YES	
Ambient temperature	4°C-60°C	
Dimensions (WxDxH)	225x148x195mm	260x148x195mm
Power	4W	10W
Power supply	AC220±22V 50±1Hz	AC100~240V 50-60Hz
Net weight	0.8kg	1kg

Accessories





Professional Laboratory Solution Provider

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