

Hangzhou Yooning Instrument Co.,Ltd.



GENERAL CATALOGUE 2023

Professional manufacturer engaged in sample preteratment for lifesciences---
Temperature control baths, Shakers, Mixers, Centrifuges and etc.

Enterprise Profile

Hangzhou Yooning Instrument Co., Ltd. is an ISO9001 certified high-tech enterprise specializing in R&D, production, sales and service of laboratory instruments and life science instruments, located in Hangzhou City, Zhejiang China. Our main products are Dry Bath Incubator (block heater), Centrifuge, Mixer, Shaker, Micro-Spectrophotometer, PCR and etc., which are commonly used in scientific research labs, medical industry, environment, food safety and so on. Yooning has strong distributor network not only in our domestic market, but also overseas countries like Japan, Singapore, Indonesia, India, Italy, Germany, UK, Turkey, Argentina, Brazil, the USA, ect. Yooning Instruments are becoming more and more popular due to good quality and excellent aftersales service.

40 million +



Annual revenue

20000 +



Instruments quantity sold annually

< 1.13%



Repair rate

70+



Employees

12



Domestic branch offices

10+



Overseas distributors

Factory photos

///R&D



///Showroom



///Warehouse



///Production lines



Production sites



///QC room



///Packing room

Enterprise Culture



Values

Quality first, Service-oriented,
Integrity, Innovation



Mission

Make science experiments easier



Vision

Committed to
be a leading supplier in
Temperature-control, Mixing.

/// Honor

Qualification certification



National High-Tech
enterprise



CE certified



ISO certified

Patents



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NanoOne Microspectrophotometer

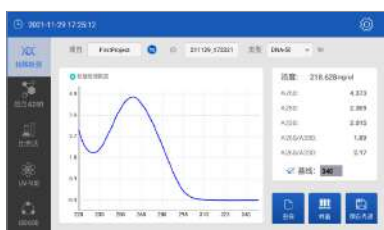
• Sample pedestal



• Drop sample



• Detection result



Features

- Friendly Android operation system, 7-inch touched screen
- Cuvette slot available for bacteria/microbe concentration test
- Measurement without dilution, test result display and read easily
- Long life's Xenon flash lamp, 10⁹ flashes.
- Only 0.5 ~ 2μl sample volume requested, which can be recycled after test, ideal for precious samples
- Reliable and quick data USB output for analysis
- No computer required for measurement and data storage
- Image and excel table can be output
- External printer is optional

Product parameters

Model	NanoOne	Sample pedestal	304 Stainless steel and Quartz fiber	Measurement Time	< 6S
Sample Volume	0.5~2.0μl	Light Source	Xenon flash lamp	Data Export	USB
Absorbance Accuracy	±1% (7.332 Abs at 260nm)	Path Length	0.05mm、0.2mm、1.0mm	Power Adaptor	12V 4A
Wavelength Accuracy	±1nm	Detector	2048 -element linear silicon CMOS array	Standby Power	5W
Absorbance Precision	0.002Abs	Spectral Resolution	≤ 1.5nm (FWHM @ Hg 253.7nm)	Weight	3.5kg
Dimension (W×D×H)	270×210×196 (mm)	Operation System	Android	Power	48W
Absorbance Range (equaled 10mm)	0.02~300A; Cuvette (OD600):0~4A				
Wavelength	180~910nm; cuvette (OD600):600±8nm				
Nucleic Acid Range	2~15000ng/ul (ds DNA)				
Protein Detection Range	BSA 400mg/ml; IgG 290mg/ml				

NanoOne-plus MicroSpectrophotometer

Features

- 7-inch touched screen, Android system with friendly UI design
- Quick detection (only takes time of 2-6s), no dilution needed
- Auto-detection function is available
- No need to preheat instrument, measurements can be done upon turning on
- Long life's Xenon flash lamp, 10⁹ flashes
- Good repeatability due to accurate pathlength control
- Heating up to 37°C, stirring speed 100-900rpm for cuvette measurements
- Only 0.5 ~ 2μl sample volume requested, which can be recycled after test, ideal for precious samples
- Fluorometer measurement, strong specificity, high sensitivity can make it detect low concentration samples like dsDNA, Oligo, RNA, protein, down to 0.5pg/μl (dsDNA High Sensitivity)
- Built-in printer
- Measurement results can be exported to U disc in format of Excel, JPG



Product parameters

Model	NanoOne-plus	Absorbance Precision	0.002Abs (1mm WaveLength)	Detector	2048 -element linear CMOS array
Sample Volume	0.5ul~2ul, advice 2ul	Absorbance Accuracy	±1% (7.332 at 260nm)	Power Adaptor	DC12V 4A
Wavelength Range	180~910nm	Measurement Time	<6s	Power	48W
Wavelength Accuracy	±1nm	Path Length	0.03mm, 0.05mm, 0.2mm, 1mm, 1.2mm	Dimension (W×D×H)	270×210×196 mm
Spectral Resolution	≤ 1.5nm (FWHM@ Hg 253.7nm)	Light source / Life	Xenon / Flashes >10 ⁹	Weight	3.8 kg
Absorbance Precision	0.02300(260nm, equals to 10mm Wavelength)	Concentration Range	2ng/ul dsDNA 30000ng/ul dsDNA		
OD600	Absorbance Range	0~4.000 Abs	Fluorometer	Sample Volume	1-20μl
	Absorbance Stability	[0,3] ≤ 0.5%, [3,4] ≤ 1.5%		Measurement Time	3s
	Absorbance Repeatability	[0,3] ≤ 0.5%, [3,4] ≤ 1.5%		Concentration Range	0.01ng/μl-120ng/μl dsDNA HS 0.2ng/μl-2000ng/μl dsDNA BR 0.05ng/μl-240ng/μl Oligo 0.1mg/ml-20mg/ml proteinBR
	Absorbance Accuracy	[0,2] ≤ 0.005A,[2,3] ≤ 1%, [3,4] ≤ 2%		Repeatability	< 1.5%
	Heating up	37°C		orders of magnitude of concentration	5
	Stirring speed	100-900rpm		Linear dynamic range	R ² ≥ 0.995
					Light Source
			Excitation wavelength	470/625 (Standard) 365/525 (Optional)	
			Emission	525/690 (Standard) 460/620 (Optional)	

FD-100 Fluorometer

Introduction

Fluorescent Immunoassay technology has strong specificity, high sensitivity and good practicability, which is widely used to measure nucleic acids (dsDNA, Oligo, RNA), proteins (enzymes, receptors, antibodies), hormones, drugs and microorganisms and other low concentration bioactive compounds.

FD-100 fluorometer is based on fluorescence immunoassay technology and the principle that the fluorescence intensity is proportional to the concentration at low concentrations, and to analyze samples qualitatively and quantitatively by detecting fluorescence intensity.



Features

- 7-inch color touch screen, easy to operate
- Only 3s to detect the sample concentration
- The minimum detection concentration can be 0.5pg/ μ L
- Dual channels for detecting two kinds of fluorescence simultaneously
- The response range can reach 5 orders of magnitude
- It works for most reagents
- Store up to 10000 pieces of data, which can be exported through U disk or printer.

Product parameters

Model	FD-100	Light Source	Monochrome LED
Sample Capacity	1	Detector	photodiode
Sample Volume	1-20 μ l	Display	touch screen display
Tube Type	0.5ml PCR tube	Programs stored	10000
Channel number	2	Data Export	U Disk
Measurement Time	3s	Data Format	CSV PDF
Repeatability	< 1.5%	Data Interface	USB(Type A)*2 USB(Type B)*1
Calibration Method	2 or 3 point calibration	Power adapter	100-240V@50-60Hz
Response range	Five orders of magnitude	Voltage	DC12V 2A
Linearity	$R^2 \geq 0.995$	Net. Weight	1.0Kg
Excitation wavelength	470/625 (standard) 365/525 (optional)	Power	4.5W
Emission wavelength	525/690 (standard) 460/620 (optional)		
Concentration Range	0.01ng/ μ l-120ng/ μ l dsDNA HS 0.05ng/ μ l-240ng/ μ l Oligo		0.2ng/ μ l-2000ng/ μ l dsDNA BR 0.1mg/ml-20mg/ml protein BR

PC-32 Mini Gradient Thermal Cycler

Introduction

This gradient Thermal Cycler is a mini size designed for thermal cycling and protocol optimization in molecular biology, medical, food, genetic testing and etc.



Features

- Small footprint, compact design
- High performance axial flow fan with low operation noise
- Adaptive elastic heating lid design to fit the tubes of different heights automatically
- New generation peltier technology, max heating up rate 5°C /sec
- Good temperature uniformity reduce edge effect
- Real-time temperature display
- 800x480 pixel, 4.3 -inch color touch screen
- Automatically power failure recovery
- Auto heated lid: Heated lid be “OFF” automatically when sample temperature less than 30°C or program ends up.

Product parameters

Model	PC-32	Cooling Down Rate(Max.)	4°C /s	Max. Cycles	99
Capacity	32x0.2ml(microtubes), 4x8x 0.2ml (tubes strips)	Gradient Temperature Range	30 ~ 100°C	Max. Steps	30
Block Temperature Range	4~100°C	Gradient Set Span	Max. 30°C	Power failure recovery	Yes
Numbers of Peltier	2	Gradient Temperature Accuracy	±0.3°C	Pause function	Yes
Temperature Display Accuracy	0.1°C	Gradient Temperature Uniformity	±0.3°C	16°C Temperature Holding Function	Infinite duration
Block Temperature Uniformity	≤ ±0.25°C	Temperature Control ways	Block or Tube	Real-time operation status	Image-text displayed
Block Temperature Accuracy	±0.2°C	Timer Increasing / Decreasing	- 599~599 S for Long PCR	Size (W×D×H)	243×172×145 (mm)
Timer	1s~59min59sec/0 Infinite Duration	Temperature Increasing / Decreasing	-9.9~9.9°C for Touchdown PCR	Net weight	2.3kg
Heating Lid Temperature range	30°C ~105°C	LCD display	Touch screen display	Max. Power	225W
Heating Up Rate(Max.)	5°C /s	Programs stored	200	Voltage Range	AC110V-220V 50-60Hz

PC-96 Gradient Thermal Cycler

Introduction

This gradient Thermal Cycler is ideal for thermal cycling and protocol optimization in molecular biology, medical, food, genetic testing and etc



Features

- Excellent amplification due to high quality Semiconductor
- Industrial grade operation system, can work 7x24hs
- 42°C gradient range, ideal for protocol optimization
- High precise temperature with good uniformity, quick heating up and cooling down benefit from advanced thermoelectric cooling and PID technologies
- 5-inch touch screen,easy to edit,operate,save programs
- Data saved to USB flash memory
- Impact design, small size
- Extremely quiet

Product parameters

Model	PC-96	Max.Heating Rate	5°C /S	Programs stored	10000+
Voltage	AC100~240V, 50/60Hz	Max.Cooling Rate	4.5°C /S	Max.Cycles	99
Temperature Control ways	Block or Tube	Gradient Set Span	Max. 42°C	Max.Steps	30
Block Temperature Range	0~105°C	Gradient Temperature Accuracy	±0.3°C	Program Pause Function	Yes
Timer	1s~59min59sec/ Infinite	Temperature display accuracy	0.1°C	16°C Temperature Holding Function	Infinite
Block Temperature Accuracy	±0.2°C	Heating Lid Temperature range	30°C ~110°C	Real-time operation status	Image-text displayed
Block Temperature Uniformity	±0.25°C	Automatically Heating Lid	Shut off automatically when sample lower than 30°C or program over	Interface Port	USB 2.0
Heating Up Rate (average)	4°C	Timer Increasing / Decreasing	- 599~599 S for Long PCR	Dimension (W×D×H)	200x300x170 (mm)
Cooling down Rate (average)	3°C	Temperature Increasing / Decreasing	-9.9~9.9°C for Touchdown PCR	Weight	4.5kg
Gradient temperature range	30-105°C	Max. Power	600W		
Capacity	96x0.2ml(PCR plate without/semi skirt), 12x8x0.2ml strips, 8x12x0.2ml strips, 0.2ml tubes (height 20~23mm)				

PC-96P Gradient Thermal Cycler

Introduction

PC-96P is a upgraded generation thermal cycler on basis of our PC-96, the advanced peltier technology brings accurate temperature control, make the cycles reaches up to a million times. It's an ideal thermal cycler for researches of life sciences in most labs.



Features

- Small footprint, compact design
- 6 high precise peltiers
- Good temperature uniformity reduce edge effect
- New generation peltier technology, max heating up rate 6°C /sec
- 1024x768 pixel, 8 -inch color touch screen Automatically power failure recovery
- Gradient range 42°C

Product parameters

Model	PC-96P	Gradient temperature range	30-105°C	Max. Steps	30
Voltage	100~240V, 50/60Hz	Gradient Set Span	Max. 42°C	Power failure recovery	Yes
Temperature Control ways	Block/Tube	Gradient Temperature	≤ ±0.3°C	Pause function	Yes
Block Temperature	0~105°C	Gradient Temperature Accuracy	≤ ±0.3°C	16°C Temperature Holding Function	Infinite duration
Timer	1s~59min59sec/ (0 means infinite)	Numbers of Gradient	12	LCD display	Touch screen display
Capacity	96x0.2ml	Heating Lid Temperature range	30°C ~110°C	Operation system	Linux
Block Temperature Accuracy	≤ ±0.2°C	Timer Increasing / Decreasing	-599s ~ 599s	Touch screen type	Capacitive
Block Temperature Uniformity	≤ ±0.25°C	Temperature Increasing / Decreasing	-9.9°C ~ 9.9°C	Communication port	USB2.0
Heating Up Rate (Max.)	6°C / s	Touchdown PCR	Yes	Max. Power	700W
Cooling down Rate (Max.)	5°C / s	Long PCR	Yes	Size (W×D×H)	400x260x228mm
Adjustable range of heating up/cooling down	0.1~6°C / s	Programs stored	10000+	Net weight	8.5kg
Temperature display accuracy	0.1°C	Max. Cycles	99		
Tubes applied	0.2ml microtubes, 8 x 0.2ml tubes strips , 96 x 0.2ml PCR plate (without/semi-skirted)				

T200 Dual-block Thermal Cycler

Introduction

T200 is a qualitative thermal cycler with dual blocks which are independent controlled, the advanced peltier technology brings accurate temperature control, and make the cycles reaches up to a million times. It's an ideal thermal cycler for researches of life sciences in most labs.



Features

- Small footprint, compact design
- Two independent controlled blocks
- 3 high precise peltiers for each block
- Good temperature uniformity reduce edge effect
- New generation peltier technology, max heating up rate 6°C /sec
- 1024x768 pixel, 8 -inch color touch screen Automatically power failure recovery
- Gradient range 30°C

Product parameters

Model	T200	Temperature display accuracy	0.1°C	Max. Cycles	99
Voltage	100~240V, 50/60Hz	Gradient temperature range	30-105°C	Max. Steps	30
Tubes applied	0.2ml microtubes, 8 x 0.2ml tubes strips	Gradient Set Span	Max. 30°C	Power failure recovery	Yes
Temperature Control ways	Block/Tube	Gradient Temperature	≤ ±0.3°C	Pause function	Yes
Block Temperature	4~105°C	Gradient Temperature Accuracy	≤ ±0.3°C	16°C Temperature Holding Function	Infinite duration
Timer	1s~59min59sec/ (0 means infinite)	Numbers of Gradient	12	LCD display	Touch screen display
Capacity	Double 48x0.2ml	Heating Lid Temperature range	30°C ~110°C	Operation system	Linux
Block Temperature Accuracy	≤ ±0.2°C	Timer Increasing / Decreasing	-599s ~ 599s	Touch screen type	Capacitive
Block Temperature Uniformity	≤ ±0.25°C	Temperature Increasing / Decreasing	-9.9°C ~ 9.9°C	Communication port	USB2.0
Heating Up Rate (Max.)	6°C /s	Touchdown PCR	Yes	Max. Power	800W
Cooling down Rate (Max.)	5°C /s	Long PCR	Yes	Size (W×D×H)	400x260x228mm
Adjustable range of heating up/cooling down	0.1~6 °C /s	Programs stored	10000+	Net weight	9kg

SH-6 Sample Homogenizer

Introduction

SH-6 sample Homogenizer is a small size lab instrument, suit for various of samples grinding. Touch screen display, easy to operate: High speed, brings high efficiency. Commonly used for sample pretreatments in industries of biology, chemistry, pharmacology, minerals, medicine, etc.







Features

- Enhanced motor, high quality bearing, touch screen
- High efficiency grinding, stable working, low noise
- Extensive speed range, custom and preset programs
- Transparent lid with protection, easy to use
- Double-position operation

Product parameters

Model	SH-6	Deceleration time	2s
Speed range	2450rpm-4450rpm	Grinding method	Dry, Wet
Sample capacity	6*2ml /2*5ml	Adapter material	POM/Nylon
Feed size	According to tube size	Safety security	Immediate stop once lid open
Final fineness	~5µm	Voltage	AC100-240V 50/60Hz
Grinding beads diameter	0.1-5mm	Prower	250W
Acceleration time	2s	Dimension (W×D×H)	351mmX215mmX202mm

Accessories

Adapter type	Picture	Tube type	Capacity	Material
For 5ml tubes			1	PC
For 2ml tubes			3	PC

Notes: Tube adapters should be used symmetrically

Grinder-96 High-throughput Homogenizer

Introduction

Grinder-96 homogenizes a broad variety of biological samples due to high frequency vertical vibration, which is controlled by frequency converter. Various adaptors for options accommodating tubes from 2ml to 50ml, commonly used for sample pretreatments in industries of biology, microbiology, medical analysis and etc. Touch screen and UI design are user-friendly and easy-to-operate, it will be a good assistant in a laboratory.



Features

- Touch screen
- Applied to various samples
- Replaceable tube adaptors
- Maintenance free, low noise
- Reinforced motor with strengthened main shaft
- Adjustable frequency, editable program

Product parameters

Model	Grinder-96	Acceleration Time	Within 2 sec
Frequency Range	30HZ-70Hz	Deceleration Time	Within 2 sec
Feed size	According to tube size	Tube Holder Materials	PTFE / Alloy steel / Aluminium alloy
Final Fineness	~5µm	Safety Guard	Emergency stop button
Grinding beads diameter	0.1-30mm	Voltage	AC100-120V/AC200-240V50/60Hz
Noise Level	<55db	Size (W×D×H)	460x410x520 (mm)
Grinding method	wet grinding, dry grinding, cold grinding (no refrigerated function)	Weight	52kg
Grinding beads material	Alloy steel, chrome steel, zirconia, tungsten carbide, quartz sand	Power	450W
Capacity	32x2ml/24x2ml/48x2ml/64x2ml/96x2ml/24x5ml/8x15ml/4x25ml//2x50ml		

Optional accessories

No.	Name	Material	Picture	Tube type	Max. tubes Qty	Sample Feed size	Sample Vol. per tube	Beads size	Beads Qty per tube
1	24x2ml Tube adapter	Plastic			24	1mm	0.2-0.5ml	3mm	2-3
2	32x2ml Tube adapter	Plastic			32	1mm	0.2-0.5ml	3mm	2-3
3	48x2ml Tube adapter	Plastic			48	1mm	0.2-0.5ml	3mm	2-3
4	64x2ml Tube adapter	Plastic			64	1mm	0.2-0.5ml	3mm	2-3
5	96x2ml Tube adapter	Plastic			96	1mm	0.2-0.5ml	3mm	2-3
6	24X5ml Tube adapter	Plastic			24	2mm	0.5-2.0ml	5mm	2-3
7	8X15ml Tube adapter	Plastic			8	5mm	2.0-4.0ml	10mm	1
8	4X25ml Tube adapter	Plastic			4	6mm	4.0-10.0ml	15mm	1
9	2X50ml Tube adapter	Plastic			2	8mm	8.0-20.0ml	20mm	1
10	24x2ml Tube adapter	Al. alloy			24	1mm	0.2-0.5ml	3mm	2-3
11	32x2ml Tube adapter	Al. alloy			32	1mm	0.2-0.5ml	3mm	2-3
12	48x2ml Tube adapter	Al. alloy			48	1mm	0.2-0.5ml	3mm	2-3

BM-2100 Ball Mill

Introduction

This BM-2100 ball mill is designed with various optional accessories for modern laboratory applications, friendly UI design and preset programs can help users save a lot time. It can process small amount as well as large batch samples of plants, animal tissue and small quantity samples in dry or wet condition. High speed vibration provides an excellent mixing and homogenizing to samples in only a few seconds. This mill can work well in researches of biology, chemistry, pharmacology, Minerals, Medicine and etc.















Features

- Enhanced motor, high quality bearing
- Touch screen, custom and preset programs
- High efficiency grinding, maintenance-free
- Safe security with protective hood
- Double-position operation
- Various accessories/adapters for option

Product parameters





Model	BM-2100	Deceleration	2s
Speed	180rpm-2100rpm	Grinding method	Dry or Wet
Sample batch	2 batches	Tube adapter material	POM/ Nylon/Al Alloy
Feed size	According to tubes size	Custom grinding tube material	Teflon/Stainless steel
Final fineness	~5µm	Votalge	AC100-120V/AC200-240V 50/60Hz
Grinding beads diameter	0.1-30mm	Dimension (W×D×H)	530mmX350mmX311mm
Acceleration	2s	Weight	40kg
Prower	450W		
Sample capacity	96x2ml/64x2ml/48x2ml/16x2ml/10x5ml Custom grinding tubes:2x15ml / 2x25ml / 2x35ml / 2x50ml Standard tubes: 8x50ml		

Optional Adapters

No.	Name	Picture	Max. tubes Qty	Tube type	Sample max. size	Sample Vol. per tube	Grinding beads type	Beads Qty per tube
1	8x2ml Tube adapter		8 (1 adapter) 16 (2 adapters)		1mm	0.2-0.5ml	3mm	2-3
2	24x2ml Tube adapter		24 (1 adapter) 48 (2 adapters)		1mm	0.2-0.5ml	3mm	2-3
3	32x2ml Tube adapter		32 (1 adapter) 64 (2 adapters)		1mm	0.2-0.5ml	3mm	2-3
4	48x2ml Tube adapter		48 (1 adapter) 96 (2 adapters)		1mm	0.2-0.5ml	3mm	2-3
5	5x5ml Tube adapter		5 (1 adapter) 10 (2 adapters)		2mm	0.5-2.0ml	5mm	2-3
6	4X50ml Tube adapter		4 (1 adapter) 8 (2 adapters)		8mm	8.0-20.0ml	5mm	10

Notes: Max. speed 1200rpm for adapters 4X50ml. Stainless steel tubes should be used symmetrically.

Optional Adapters

No.	Name	Picture	Max. tubes Qty	Tube type	Sample max. size	Sample Vol. per tube	Grinding beads type	Beads Qty per tube
1	15ml grinding tube		2	stainless steel	5mm	2.0-4.0ml	10mm	1
2	25ml grinding tube		2	stainless steel	6mm	4.0-10.0ml	15mm	1
3	35ml grinding tube		2	stainless steel	6mm	6.0-15.0ml	15mm or 20mm	1
4	50ml grinding tube		2	stainless steel	8mm	8.0-20.0ml	20mm	1

Notes: Stainless steel tubes should be used symmetrically.

Knob spanner



Tube opener



Mini Dry Bath Incubator

Introduction

Mini Dry Bath Incubator is controlled by PID, applied to vehicle power supply due to small palm-size and light weight. Widely used in rapid inspection kit or small labs

Features

- Display with timer and temperature
- DC 12V, built-in over temperature protect
- Automatic failure detection with buzzer alarm
- Easy to change blocks
- 9 Stored programs, each contains 3 segments



Various blocks



Over-temperature protect



High precision



LCD display

Product parameters

Model	MiniH-100D	MiniH-100L	MiniC-100	Model	MiniH-100D	MiniH-100L	MiniC-100
Temperature Control Range	RT+5°C ~100°C		RT-25°C ~100°C	Max.Temperature	100°C		
Temperature Set Range	0°C ~100°C		-10°C ~100°C	Max.Power	48W	60W	120W
Heating Up Rate(20°C to 100°C)	≤ 15m			Cooling Down Rate	Natural cooling		≤ 30m 100-25°C
Temperature Control Accuracy	±0.3°C						
Temperature Stability @40°C	±0.3°C						
Temperature Stability @100°C	±0.3°C			Weight	≤ 1kg		≤ 1.5kg
Display Accuracy	0.1°C			Dimension (W×D×H)	110X153X98 (mm)	110X153X137 (mm)	
Timer	1-99h,1-99m,1-99s,0: infinite time			Heating Lid	No	Yes	No



M1



M2



M3



M4



M5



M6



M7



M8

Optional Blocks

Type	Tube Type	Type Capacity	Type	Tube Type	Type Capacity
M1	0.2ml tube (φ6.1×17)	32	M5	Cuvette	8
M2	0.5ml tube (φ8×23)	24	M6	15ml tube (Working without lid) (φ16.9×98)	6
M3	1.5ml tube (φ10.8×31)	15	M7	50ml tube (Working without lid) (φ29.5×90)	2
M4	2.0ml tube (φ10.8×31)	15	M8	5ml tube (Working without lid) (φ13.5×30)	12

G100 Dry Bath Incubator



Various blocks



Over-temperature protection



High precision



Timer

Introduction

G100 is a dry block heater controlled by microcomputer. It can be widely used in sample preservation and reaction, DNA amplification and pre-denaturation of electrophoresis, serum coagulation, etc. in fields of medicine, chemical industry, food safety, quality control and environment.

Features

- LED display with timer
- High precision temperature
- Built-in over-temperature protect
- Small size with transparent lid
- Various blocks can protect samples from contamination

Product parameters

Model	G100	Temperature Accuracy	±0.3°C
Heating Up Rate	≤ 10m (20°C to 100°C)	Timer	1m-99h59m/0:infinite time
Temperature Stability @40°C	±0.3°C	Max.Temperature	105°C
Temperature Stability @100°C	±0.3°C	Power	150W
Display Accuracy	0.1°C	Weight	1.5kg
Temperature Control Range	RT+5°C ~105°C	Dimension (W×D×H)	160*176*121 (mm)
Temperature Set Range	0°C ~105°C		

Optional Blocks

Type	Capacity	Type	Capacity
C1	96×0.2ml (φ6.1×17)	C5	18×5.0ml (φ13.5×30)
C2	58×0.5ml (φ8×23)	C6	24×0.5ml+30×1.5ml
C3	39×1.5ml (φ10.8×31)	C7	58×6mm (φ6.5×31)
C4	39×2.0ml (φ10.8×31)		

C1



C2



C3



C4



C5



C6



C7



GH-100 / GC-100 Dry Bath Incubator

Introduction

GH-100/GC-100 is a microprocessor-controlled device with LCD, can control the temperature precisely, which greatly shortens the experimental time and improves the efficiency. It can be widely used in samples cultivation, preservation and reaction. It has multi-purpose functions such as heating and custom programs to meet the needs of different users.



Features

- 5 stored-programs, each can run separately, also can be linked and cycled
- A variety of alloy aluminum blocks easy to change
- Fast heating speed, precise and stable
- Controlled by PID, high accuracy and good conformity
- LCD display with timer and temperature
- Temperature calibration
- Buzzer alarm after program over



Various blocks



Over-temperature protect



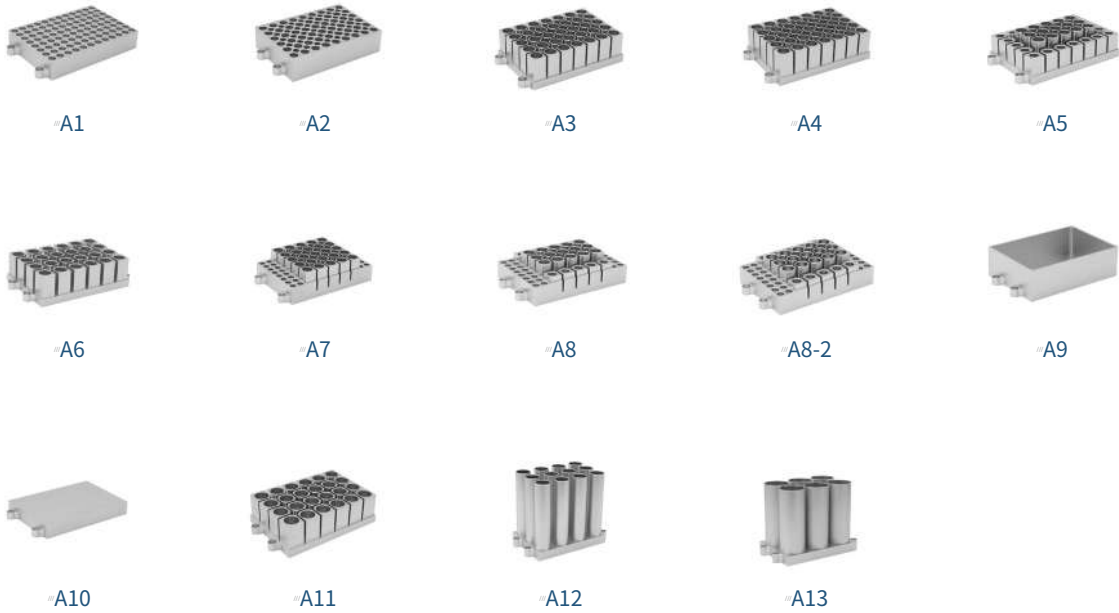
High precision



Timer

Product parameters

Model	GH-100	GC-100	Model	GH-100	GC-100
Temperature control mode	Heating membrane	Semi-conductor	Heating Up Rate	≤ 15min(20°C to 100°C)	
Temperature control range	RT+5°C ~100°C	RT-30°C ~100°C	Max.Temperature	100°C	
Temperature Set Range	5° C~100° C	-10°C ~100°C	Cooling Down Rate	---	≤ 30min 100~25°C
Temperature accuracy	±0.3°C				≤ 30min Cooling down 30degrees from room temperature(test under RT26°C)
Temperature Stability	±0.3°C		Power	150W	130W
Timer	1m-99h59m/0: infinite time		Weight	2.8kg	4.3kg
Display accuracy	0.1°C		Dimension (W×D×H)	220x300x170 (mm)	



Optional lids



Item	Model	Compliance to
Lid	L-A	A1-A9
Lid	L-B	A10-A11
Lid	L-C	A12-A14

HC-100/HH-100/GH/GC-100 Series blocks

Optional Blocks

Type	Capacity	Max. Temperature	Type	Capacity	Max. Temperature	Type	Capacity	Max. Temperature
A1	96×0.2ml PCR plate (φ6.7×16)	100°C	A6	24×φ12mm ×30 tubes	100°C	A10	96×0.2ml Elisa(Flat bottom)	100°C
A2	54×0.5ml tubes (φ8×23)	100°C	A7	32×0.2ml+25×1.5ml tubes	100°C	A11	24×5ml (φ13.5×30)	100°C
A3	35×1.5ml tubes (φ10.8×31)	100°C	A8	32×0.2ml+10×0.5ml+15×1.5ml tubes	100°C	A12	12×15ml (φ16.9×98)	100°C
A4	35×2.0ml tubes (φ10.8×31)	100°C	A8-2	32×0.2ml+10×0.5ml+15×2.0ml tubes	100°C	A13	6×50ml (φ29.5×90)	100°C
A5	20×0.5ml+15×1.5ml tubes	100°C	A9	103×67×30(water tank)	100°C	A14	12×10ml (φ15.9×65)	100°C

DC-100/DH-100 Heated Lid Dry Bath Incubator



Introduction

DC-100/DH-100 is a Dry Bath Incubator with heated lid controlled by a microcomputer, excellent temperature control due to advanced semiconductor technology (Peltier-Based), which can work as a thermal cycler. DH-100 can heat, DC-100 can heat and cool, they can be used for sample preservation and reaction, DNA amplification and protein denaturation treatment, and etc.

Features

- Impact design, small size
- Heated lid function can be on/off according to needs
- High precise and good uniformity in temperature, fast heating and cooling rate
- 5 inch touch screen display temperature and time, easy to edit, heating lid temperature can be individually set/displayed

◆ DC-100 : Heat & Cool with heated lid, programmable thermal cycler programs are available

◆ DH-100 : Heat with heated lid



TFT display



Good Temperature uniformity



Heated lid



Timer

Product parameters

Model	DC-100	DH-100	Model	DC-100	DH-100
Voltage	AC100~230V, 50/60Hz	AC100~120V/ AC100~240V, 50/60Hz	Display Accuracy	0.1°C	
Block Temperature Setting Range	R.T. -30° ~105C	R.T. +5°C ~105°C	Heating Up Rate (R.T. 25°C)	37°C -100°C ≤ 7°C /min	
Temperature Set Range	-10°C ~105°C	0°C ~105°C	Cooling Rate	100°C -37°C ≤ 7°C / min	---
Lid Temperature Setting Range	R.T. +5°C ~110°C		Max.Steps	10	
Timer	1s~99min59sec (0 means infinite)		Max.Cycles	99	
Block Temperature Accuracy	±0.5°C		Max.Power	300W	180W
Lid Temperature Accuracy	±1.0°C		Dimension (W×D×H)	200x315x175 (mm)	
Block Temperature Uniformity	±0.3°C (@37°C)		Weight	3.3kg	2.8kg

Optional Blocks

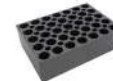
Type	Capacity
R1	96×0.2ml (φ5.37×10.5)
R2	54×0.5ml (φ8×20.3)
R3	35×1.5ml (φ10.8×30.5)
R4	35×2.0ml (φ10.8×32)



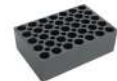
R1



R2



R3



R4

GA150 Dry Bath Incubator



GA150-1



GA150-1A



GA150-2



GA150-4

Introduction

GA150 digital dry bath is controlled by microcomputer, widely used in preservation and reaction of the samples, DNA amplification and pre-denaturation of electrophoresis, serum coagulation, etc.

Features

- LED display with timer
- Automatic fault detection with buzzer alarm
- Temperature calibration function
- Various blocks, easy to clean and disinfect
- Built-in over-high temperature protection



Various blocks



High precision



Over-temperature protect



Timer

Product parameters

Model	GA150-1	GA150-1A	GA150-2	GA150-4	Model	GA150-1	GA150-1A	GA150-2	GA150-4
Temperature Control Range	RT+5°C ~150°C				Display accuracy	0.1°C			
Heating Up Rate	≤ 10m (20°C to 100°C)				Timer	1m-99h59m/0: infinite time			
	≤ 30m (20°C to 150°C)								
Temperature Stability @40°C	±0.3°C				Max.Temperature	150°C			
Temperature Stability @100°C	±0.5°C				Power	200W	400W	600W	
Temperature Stability @120°C	±1°C				Dimension (W×D×H)	220*260*100 (mm)			220*360*100 (mm)



///D1



///D2



///D3



///D4



///D5



///D6



///D7



///D8



///D9



///D10



///D11



///D12



///D13



///D14



///D15



///D16



///D17



///D18



///For GA150-1
145x105x62.5



///For GA150-2
174x117x52



///For GA150-4
214x174x50

Important Notes: D17/D18 are used in GA150-1A

///Optional Blocks

Type	Tube diameter	Capacity	size (W×D×H)	Type	Tube diameter	Capacity	size (W×D×H)
D1	6mm (φ6.5×47)	48	96.5×76.5×50 (mm)	D10	26mm (φ26.5×47)	8	96.5×76.5×50 (mm)
D2	7mm (φ7.5×47)	48	96.5×76.5×50 (mm)	D11	28mm (φ28.5×47)	6	96.5×76.5×50 (mm)
D3	10mm (φ10.5×47)	24	96.5×76.5×50 (mm)	D12	38mm (φ38.5×47)	3	96.5×76.5×50 (mm)
D4	12mm (φ12.5×47)	24	96.5×76.5×50 (mm)	D13	0.2ml tubes(φ6.1×17)	48	96.5×76.5×50 (mm)
D5	13mm (φ13.5×47)	24	96.5×76.5×50 (mm)	D14	0.5ml tubes (φ8×23)	48	96.5×76.5×50 (mm)
D6	15mm (φ15.5×47)	12	96.5×76.5×50 (mm)	D15	1.5ml tubes(φ10.8×31)	24	96.5×76.5×50 (mm)
D7	16mm (φ16.5×47)	12	96.5×76.5×50 (mm)	D16	2ml tubes(φ10.8×31)	24	96.5×76.5×50 (mm)
D8	19mm (φ19.5×47)	12	96.5×76.5×50 (mm)	D17	0.2ml (φ6.7×16)	96	96.5×153×33.5 (mm)
D9	20mm (φ20.5×47)	12	96.5×76.5×50 (mm)	D18	Flat	96 Elisa	96.5×153×22.5 (mm)

Water Bath series



WH-10



WH-5



WH-2



WH-3A

Introduction

Water Bath is a multi-function thermostat water tank controlled by PID. It's an indispensable tool in the fields of pharmaceutical, biochemistry, scientific research, environmental protection and etc.



TFT Display



Overheat protection



Suitable for Various Tubes



Temperature uniformity $\leq \pm 0.3^{\circ}\text{C}$

Features

- High quality water tank: Wearproof and corrosion-resistant stainless steel coated by Teflon
- With large-diameter drain valve for quickly discharge
- 10 programs stored for fast operation
- Controlled by PID, high precision and tiny fluctuation
- Big size TFT display
- Built-in liquid level sensor with buzzer alarm
- Good uniformity due to a big heating plate fixed under the tank bottom

Product parameters

Mode	WH-2	WH-3A	WH-5	WH-10
Voltage	AC100~120V/AC200~240V 50~60Hz			
Temperature Control Range	RT. +5~100°C	RT. +5°C ~99°C	RT. +5~100°C	
Temperature Set Range	0°C ~100°C	0°C ~99°C	0°C ~100°C	
Timer	1m~99h59m			
Temp.Accuracy	$\pm 0.3^{\circ}\text{C}$			
Uniformity	$\pm 0.3^{\circ}\text{C}$ (37°C)			
Capacity	2L	2Lx3	5L	10L
Power	250W	750W	550W	1000W
Tank Dimension(W×D×H)	135x150x150 (mm)	3×135x150x150 (mm)	155x300x150 (mm)	240x300x150 (mm)
Dimension(W×D×H)	205x253x204 (mm)	625x253x204 (mm)	205x395x210 (mm)	290x395x210 (mm)
Weight	2	5.5	3.5	8.75
Drain Method	Manual	Drain pump	Manual	Drain outlet
Liquid level alarm	Yes	Yes	Yes	Yes

WF80-2 Microplate Incubator

Introduction

This incubator is designed for microplates, controlled by PID with timer and incubation. Compatible with different plates like ELISA 96 /384 wells plates, cell culture plates (24 /48 /96 wells).



LCD display



For 2 plates, small size



With heated lid

Features

- LCD display, friendly design
- Heated lid ensures temperature uniformity
- Controlled by PID, stable temperature
- Buzzer alarm when program ends up
- Safe to use

Product parameters

Model	WF80-2	Timer	1m-99h59m/0: infinite time
Temperature Control Range	RT +5~80°C	Capacity	2 plates
Temperature Set Range	5°C ~80°C	Voltage	AC100-230V 50-60Hz
Temperature Accuracy	±0.3°C	Max.Power	150W
Temperature Uniformity	±0.3°C	Weight	4.0kg
Heating Up Rate	< 15min(20°C to 80°C)	Dimension (W×D×H)	280x278x150 (mm)

HC-100 / HH-100 Thermo Shaker Incubator

Introduction

This thermo mixer (HH-100) /cooling thermo shaker (HC-100) is designed for a variety of molecular biology applications that require consistent and precise results. Due to the combination of DC brushless motor and semiconductor cooling technology, it greatly shortens the time of experiment and improves the efficiency. It is an ideal device for sample incubation, catalysis, mixing and preservation.



5 programmable Programs built-in, Linkable, recyclable



BLDC Motor Maintenance free



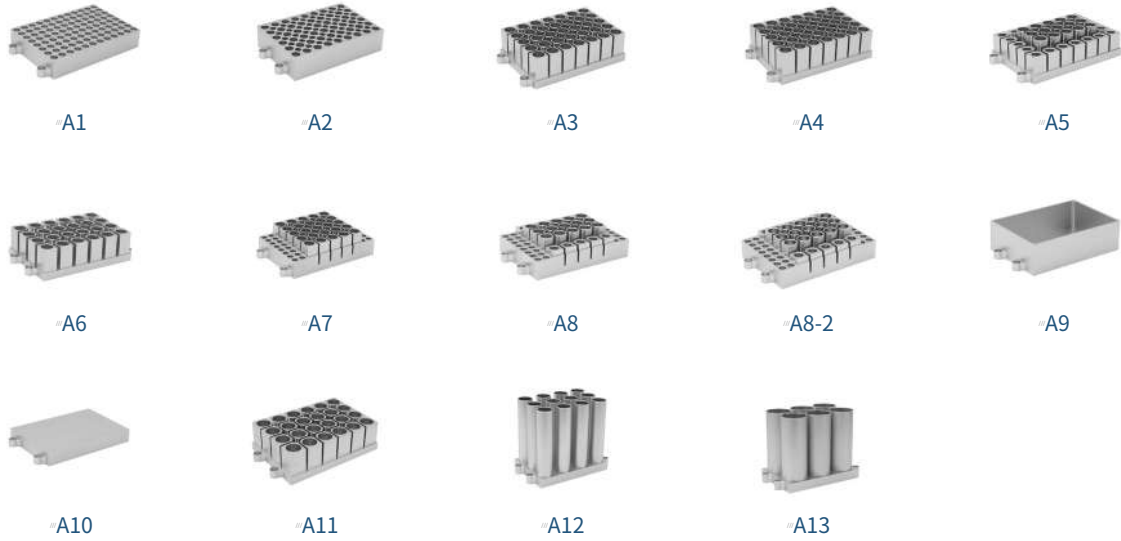
High precision



Various blocks

Product parameters

Model	HC-100	HH-100	Model	HC-100	HH-100
Temperature Control Modes	Semi-conductor	Heating membrane	Amplitude	2mm (Horizontal rotation)	
Temperature Control Range	RT-20°C ~100°C	RT+5°C ~100°C	Timer	1m-99h59m/0: infinite time	
Temperature Set Range	0°C ~100°C	5~100°C	Heating Up Rate	<15min(25°C ~100°C)	
Temperature Accuracy	±0.3°C		Cooling Down Rate (by time)	Rate (by time) ≤ 25min (Cool down from 30 °C to 10 °C)	
Temperature Stability @40°C	±0.3°C			≥ 7°C / min (100°C to 20°C)	
Temperature Stability @100°C	±0.3°C		Max.Power	150W	180W
Display Accuracy	0.1°C		Dimension (W×D×H)	220x300x170 (mm)	
Speed Range	300~1500 rpm	300~2000 rpm	Weight	7.9 kg	8.3kg



Optional lids



L-A
145×105×42.5



L-B
145×105×62.5



L-C
145×105×122.5

Item	Model	Compliance to
Lid	L-A	A1-A9
Lid	L-B	A10-A11
Lid	L-C	A12-A14

Notes: Block A1+0.2ml tubes/8×0.2ml strips, choose L-A
Block A1+skirted pcr plate, choose L-B

HC-100/HH-100/GH/GC-100 Series blocks

Optional Blocks

Type	Capacity	Max. Temperature	Max. Speed	Type	Capacity	Max. Temperature	Max. Speed
A1	96×0.2ml PCR plate (φ6.7×16)	100°C	2000rpm	A8-2	32×0.2ml+10×0.5ml+15×2.0ml tubes	100°C	2000rpm
A2	54×0.5ml tubes (φ8×23)	100°C	2000rpm	A9	103×67×30(water tank)	100°C	2000rpm
A3	35×1.5ml tubes (φ10.8×31)	100°C	2000rpm	A10	96×0.2ml Elisa(Flat bottom)	100°C	2000rpm
A4	35×2.0ml tubes (φ10.8×31)	100°C	2000rpm	A11	24×5ml (φ10.8×31)	100°C	2000rpm
A5	20×0.5ml+15×1.5ml tubes	100°C	2000rpm	A12	12×15ml (φ16.9×98)	100°C	700rpm
A6	24×φ12mm tubes	100°C	2000rpm	A13	6×50ml (φ29.5×90)	100°C	700rpm
A7	32×0.2ml+25×1.5ml tubes	100°C	2000rpm	A14	12×10ml (φ15.9×65)	100°C	700rpm
A8	32×0.2ml+10×0.5ml+15×1.5ml tubes	100°C	2000rpm				

MIX-S Mini Vortex Mixer

Introduction

When you look for a basic, fixed speed vortex mixer with a small footprint for your limited bench space, look no further than our MIX-S. Despite its small size, the MIX-S has a stable base to remain in place when in use. When you press your tube down on the top cup, the 3500rpm and small 4mm orbit create a 'vibratory' motion to quickly and efficiently mix most tube sizes



Features

- Small and light
- Suitable for vortex shaking micro tubes and centrifuge tubes
- High speed with 3500rpm
- External 12V voltage adapter, easy to carry
- Rubber suction feet, makes vibration stable and reliable



Touch



Max. capacity 50ml



Suitable for various tubes

Product parameters

Model	MIX-S	Max.Capacity	50ml	Power	12W
Speed	3500rpm	Motor Power	5W	Dimension(W×D×H)	98.5×101×66 (mm)
Amplitude	4mm (Horizontal vibration)	Voltage	DC12V	Net.Weight	0.55kg

MIX-2500 Mini Vortex Mixer

Introduction

MIX-2500 is a high efficiency benchtop mixer, mixing with two operation modes “Touch” and “Continuous” vortex for samples like tissues, cells, bacterial liquid, chemical reagents, etc. It is compatible with 0.2-50ml test tubes and small vessels less than 108mm in diameter for life science, physical and chemical analysis fields.



Feature

- Multifunction and shockproof, suitable for high-speed mixing
- Touch and continuous mixing
- Adjustable speed with 0-2800rpm
- Reliable and durable, easy to exchange optional platforms for tubes



Adjustable speed



Near silence



Optional platforms

Product parameters

Model	MIX-2500	Running Modes	Contious/ Touch vortex	Power	60W
Operation	Touch/Continuous	Speed	0 ~2800rpm	Dimension(W×D×H)	134 x 156 x 150 (mm)
Orbital Diameter	3.6mm	Timer	/	Net.Weight	2.4kg
Shaking Way	Horizontal vibration	Voltage	AC 220V / AC 110V, 50/60Hz	Optional accessories	Refer to list below

Optional Accessories:

Type	Accessories
X1	Rubber cup used with X2, for tubs and small vessels less than 30mm in diameter
X2	Plastic round tray, used with all other accessories
X3	Rubber dimpled mat used with X2,for tubes or vessels less than 108mm in diameter.
X4	Foam Block used with X2,for 0.2ml test tube, Φ5mm*96
X5	Foam Block used with X2, for 0.5ml test tube, Φ6.6mm*37
X6	Foam Block used with X2, for 1.5/2.0ml test tube, Φ9.8mm*24
X7	Foam Block used with X2, for 15ml test tube, Φ14mm*8
X8	Foam Block used with X2, for 50ml test tube, Φ26.2mm*4
X9	Microplate tray for various micro plates
X11	Foam Block used with X2, for 0.2ml*16+0.5ml*12+1.5/2.0ml*12 test tube
X12	Foam Block used with X2, for 5ml/7ml*10 test tube



X1



X2



X3



X4



X5



X6



X7



X8



X9



X11



X12

VM-100 Rotating Mixer

/// Introduction

VM-100 is a test tube rotator with adjustable rotation speed, hovering and shaking functions. It provides efficient and gentle mixing, keeping biological samples in suspension. It is applied to prevent blood clotting, latex diagnosis, immunoprecipitation, etc., which is ideal for laboratory research fields such as molecular biology, biochemistry, clinical, histochemistry, etc.



Multiple racks options



Programmable



Long life and maintenance-free



LCD Display

/// Features

- Suitable for all test tubes of any 1.5ml~50ml
- Free combination of test tube clamps
- 2 additional programmable settings (6 segments editable per self-program)
- 10 different built-in programs (rotation and vibration)
- Adjustable speed and time of vibration at any angle
- For use in cold storage or incubators

/// Product parameters

Model	VM-100	Voltage	DC12V
Speed	1rpm ~99rpm	Power	12W
Operation mode	Circular motion	Dimensions (W×D×H)	440 x135 x280 (mm)
Timer	1min~99h59m	Net weight	2 kg

/// Optional accessories

Type	Capacity	Type	Capacity
L1	15ml*22	L4	50ml*12
L2	50ml*12	L5	1.5/2.0ml*36
L3	15ml*12	L6	50ml*4+15ml*8+1.5/2.0ml*16



/// L1



/// L2



/// L3



/// L4



/// L5



/// L6

HX-3000 Vortex Mixer

Introduction

HX-3000 is a high efficiency and versatile desktop mixer which is suitable for various mixing and vortex. It is compatible with various lab microtubes, such as PCR plate, deep-hole plate and microplate. The combination of mixing and intelligent operation makes the operation simple, safe and convenient.



HX-A1



HX-A2



HX-A3



HX-A4



HX-A5

Features

- Five preset buttons on faceplate for quick operation
- Stored programs for multi-purpose use
- Maintenance-free brushless motor
- Quick and controllable mixture improves experiments repeatability and uniformity



Multiple Programs



Vortex shaker



Suitable for Various tubes



LCD display

Product parameters

Model	HX-3000	Noise	<50dB
Speed	200~3000rpm	Weight	7.9kg
Vortex (Max.) Speed	3500rpm	Dimension (W×D×H)	220x300x170 (mm)
Timer	1m-99h59m/0: infinite time	Voltage	AC100 ~ 230V, 50~60Hz
Amplitude	3mm	Power	60W

Optional tube rack

HX-A1	96x0.2ml tube rack, suitable for 0.2ml PCR tube, PCR tube strip, 96-hole PCR plate (with Semi-skirt and no skirt)	HX-A4	8x10/15ml +3x5/7ml tube rack
HX-A2	24x0.5ml tube rack	HX-A5	6x50ml tube rack
HX-A3	24x1.5/2.0ml tube rack	Notes:	384-hole PCR plate, microplate and deep-well plates can be used without rack

HD-2500 Multi-tube Vortex Mixer

Introduction

HD-2500 is a good choice for mix up to 100 samples at the same time. A variety of accessories are available for broad range of applications required in many labs.



Pulse/short mixing/Continuous mixing



Compatible with different test tubes



Features

- 100 samples at the same time
- LCD display speed/timer/microprocessor control
- The maximum speed up to 2500rpm
- Maintenance free brushless motor

Product parameters

Model	HD-2500	Intermittent Interval Timer	1 ~ 99S	Power	75W
Speed Range	500 ~ 2500rpm	Intermittent Running Timer	1~ 999S	Dimension (W×D×H)	426×246×474 (mm)
Speed Control Accuracy	±1rpm	Maximum Load	4.5kg	Weight	17kg
Amplitude	3.6mm	Top Fixing Panel Size (W×D)	310×205mm		
Time	1m-99h59m/0: infinite time	Voltage	AC 100 ~ 230V, 50/60Hz		

Optional accessories

Type	Picture	Specifications	Capacity	Dimension (mm)	Type	Picture	Specifications	Capacity	Dimension (mm)
S1		Φ10mm - Φ12mm (1.5/2.0ml centrifuge tube)	50	245×132×45 mm	S6		Tray mat (Upper)	---	305×204×50 mm
S2		Φ11mm - Φ13mm (5ml centrifuge tube)	50	245×132×45 mm	S7		Tray mat (lower)	---	305×188.5×25 mm
S3		Φ14mm - Φ17mm (15ml centrifuge tube)	50	245×132×45 mm	S8		Φ36mm - Φ40mm (100ml centrifuge tube)	10	245×152×45 mm
S4		Φ22mm - Φ26mm (20ml centrifuge tube)	15	245×132×45 mm	S9		Plastic rack for 17mm tubes	96	296.5×202.5×50 mm
S5		Φ25mm - Φ29mm (50ml centrifuge tube)	15	245×132×45 mm	S10		Plastic rack for 26mm tubes	48	280×214×53 mm

WZ-4 Microplate Shaker

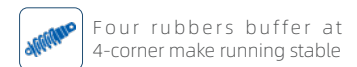
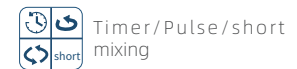


Introduction

This shaker is designed for plates like Elisa plate(96/384 microplate) , cell culture plate(24/48/96 plate), providing adjustable speed for a broad range of applications in immunoassay or dyeing experiments. Safe for use in cool rooms and incubators.

Features

- LCD display, easy to use
- Equipped with high quality power adapter
- Unique design with four rubbers buffer at corners providing stable shake
- Controlled by PID, precise speed, stable and quiet



Product parameters

Model	WZ-4	Weight	5.6kg
Speed Range	200~1500rpm	Voltage	AC100-230V 50-60Hz
Timer	1m-99h59m/0: infinite time	Max.Power	45W
Amplitude	3mm (Horizontal rotation)	Dimension (W×D×H)	280x278x126 (mm)

WZ80-2 Microplate Thermo Shaker



///Introduction

This Microplate thermo shaker is designed for microplates, controlled by PID. With timer, incubation, shake functions , it is suitable for different plates like ELISA 96 /384 wells plates, cell culture plates (24 /48 /96 wells).



LCD Display



Timer/Pulse Short mixing



For 2 plates, small size



Heating lid

///Features

- LCD display
- Heating lid ensures temperature uniformity
- Controlled by PID, stable temperature
- Buzzer alarm when program ends up
- Brushless motor,maintenance free
- Safe to use

///Product parameters

Model	WZ80-2	Capacity	2 plates
Temperature Control Range	RT+5~80°C	Speed	200~1500 rpm
Temperature Set Range	5°C ~80°C	Amplitude	2mm(Horizontal rotation)
Temperature Control Accuracy	±0.3°C	Max.Power	150W
Temperature Uniformity	±0.3°C	Voltage	AC100-230V 50-60Hz
Heating Up Rate	< 15min(20°C to 80°C)	Weight	6.2kg
Timer	1m-99h59m/0: infinite time	Dimension (W×D×H)	280x278x150 (mm)

RM-80D Lab Roller Mixer

Introduction

RM-80D is designed for gently mixing a wide range of tubes. The speed can be set digitally anywhere between 10rpm and 80rpm. In addition to a rolling motion, the RM-80D is mounted slightly off-center to rise and fall in a "see- saw" fashion. These two motions ensure your samples are thoroughly mixed for optimal homogeneity.



Features

- LED display, easy to operate
- Rolling and swinging two modes, gentle mixing
- Adjustable speed and quiet running
- Suitable for 8mm-200mm diameter tubes
- Suitable for 4°C chamber or 42°C incubator with relative humidity 80%



Adjustable speed



LED display of speed and time



Rolling/Swinging



Timer

Product parameters

Model	RM-80D	Max.Capacity	4.2kg
Speed	10rpm-80rpm	Timer	1min ~99h59m
Running Modes	Rolling/Swinging	Voltage	AC 100 ~230V, 50/60Hz
Amplitude	25mm	Power	30W
Numbers of Rollers	6	Dimensions(W×D×H)	230x440x120 (mm)
Roller Length	280mm	Weight	3.8kg

TM-80 Rotating Mixer

Introduction

TM-80 is designed to provide stacking rotating plates which doubles the usable surface area; it is much precise with speed adjustment and timer functions. It can be placed in an incubator. The mixer is suitable for tissue culture, extraction, blood sample mixing, radioimmunoassay, glucose, in biological, chemical, animal and plant analysis, clinical experiments and many other aspects.



Features

- LED display of speed and timer
- Compatible with tubes 1.5-50ml
- Rotating plate tilt angle 0 ~ 90°
- Program ends up with beep alarm
- High quality motor
- Gentle mixing
- Tube holder is easy to remove and clean



Adjustable angle



Timer



Quiet



For various tubes

Turnable plate capacity with tube holders:

8 × 50ml tubes, 16 × 10/15ml tubes or 32 × 1.5/2.0ml tubes

Product parameters

Model	TM-80	Voltage	AC 100 ~ 230V, 50/60Hz
Speed	10rpm ~ 80rpm	Power	30W
Tilt Angle Range	0° ~ 90°	Dimensions(W×D×H)	250 x320 x300 (mm)
Timer	1m-99h59m	Net.weight	4.5kg

MC-12K Mini High Speed Centrifuge

Introduction

The MC-12K Mini High Speed Centrifuge is designed with combination rotor, which suitable for centrifuge tubes 12×0.5/1.5/2.0ml, 32×0.2ml, and PCR strips 4×8×0.2ml. It does not require replacement of rotor, which is convenient and time-saving for users. Speed and time values can be adjusted during working to meet different experimental requirements.



Features

- Combination rotor for tubes of 0.2-2.0ml
- LED display, easy to operate.
- Adjustable speed and time during working.
- Speed/RCF can be switched
- The top lid is fixed with a push-button buckle, easy to operate
- “Quick” centrifugal button available
- Audio beep alarm & digital display when Error or mis-operation happen

Product parameters

Model	MC-12K	Power	90W
Speed Range	500-12000rpm (500rpm increments)	Noise Level	≤ 65 dB
Max RCF	9650×g	Dimension (W×D×H)	237×189×125(mm)
Timer	1-99m59s (“Quick” function available)	Weight	1.5kg
Acceleration time	≤ 12s	Voltage	AC 100--240V 50-60Hz
Deceleration time	≤ 18s		
Capacity	Centrifugal tube 32*0.2ml		
	Centrifugal tube 12*0.5/1.5/2.0ml		
	PCR strips: 4x8x0.2ml		

Mini-7KS Combination Rotor Centrifuge

Introduction

Product Mini-7KS is designed with a "three in one" combination rotor, which suitable for centrifuge tubes 6x1.5/2.0ml or 6x0.5ml or 16x0.2ml and 8 x 2 x0.2ml PCR tube strips. It can centrifuge a variety of centrifuge tubes without replacement of rotor, which is convenient for users and saves time.



Three choices of speed, with timer function



Combination Rotor

Features

- Micro DC motors and carbon fiber rotors
- Ultra -low noise runs, almost silent
- High strength housing for fall and impact resistance
- Clamshell switch and stop automatically when opening
- Three choices of speed (4000rpm,6000rpm,7000rpm) and timer functions meet different experimental requirements



Combination rotor

Product parameters

Model	Mini-7KS	Timer	1s-99m59s
Speed	4000rpm,6000rpm&7000rpm adjustable	Noise Level	≤ 55dB
Max.RCF	960xg(4000rpm)/2200xg(6000rpm)/2900xg(7000rpm)	Dimensions (W×D×H)	160x176x135 (mm)
Voltage	220V/110V 50~60HZ	Weight	≤ 1.6kg
Power	35W		
Capacity	centrifuge tube: 6x1.5ml/2.0ml,6x0.5ml,16x0.2ml PCR tube strips:2x8x0.2ml		

Mini Centrifuge

Introduction

The mini centrifuge is novel in appearance and versatile. It is equipped with two centrifugal rotors and multiple test tube sleeves for 2.0ml/1.5ml/ 0.5ml/0.2ml centrifuge tubes and 8 × 2 × 0.2ml PCR tube strips. Fully transparent round top cover with multi rotor equipped, and an open cover pause function and electronic timing fully embodied the design concept of humanization.



Features

- Large radius with 8-hole rotor design, 1.5-fold stronger centrifugal force
- Top cover opens automatically for easy one-handed operation
- Snap-on design for easy rotor replacement and removal
- Noise reduction function, near silent operation
- The maintenance-free motor is durable, safe and reliable
- Exquisite appearance and compact size



Unique Snap-on design



Easy operation



Stronger centrifuge force



Clamshell switch

Applications

- Serum extracted from whole blood
- Separation of blood cells
- Rapid sedimentation of samples
- Supernatant extraction of various samples
- Microbial sample processing
- Partition centrifugation for PCR experiments

Product parameters

Model	Mini-4K	Mini-6K	Mini-7K	Mini-10K	Mini-10K+
Speed	4000rpm	6000rpm	7000rpm	10000rpm	3000-10000rpm
Max.RCF	860xg	2000xg	2600xg	5400xg	500-5400xg
Capacity	Centrifuge Tube : 8×2.0ml/1.5ml/0.5ml PCR tube strips : 4×8×0.2ml				
Timer	1~99m59s				
Noise Level	≤ 45dB		≤ 55dB		≤ 60dB
Dimensions (W×D×H)	160×176×135 (mm)				
Weight	≤ 1.5kg				
Power	35W				
Voltage	220V/110V 50-60Hz				

Equipped accessories



Strip rotor

For 4×8×0.2ml tubes



8-position rotor

For 1.5/2.0ml×8 tubes



Tube adaptors

For 0.5ml tubes

Mini Centrifuge

Introduction

The mini centrifuge is novel in appearance and versatile. It is equipped with two centrifugal rotors and multiple test tube sleeves for 2.0ml/1.5ml/0.5ml/0.2ml centrifuge tubes and 8× 2× 0.2ml PCR tube strip. Fully transparent round top cover with multi rotor equipped, and an open lid pause function and electronic timing fully embodied the design concept of humanization.



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- Noise reduction function, near silent operation



Unique Snap-on design



Easy operation



Stronger centrifuge force



Clamshell switch

Product parameters

Model	Mini-4KA	Mini-6KA	Mini-10KA	Model	Mini-4KA	Mini-6KA	Mini-10KA
Speed	4000rpm	6000rpm	10000rpm	Noise Level	≤ 45dB		≤ 55dB
Max.RCF	860xg	2000xg	5400xg	Dimensions (W×D×H)	160 x 176 x 121 (mm)		
Timer	---			Weight	≤ 1.5kg		
Voltage	220V/110V 50-60HZ						
Power	35W						
Capacity	Centrifuge Tube : 8×2.0ml/1.5ml/0.5ml PCR tube strips : 4×8×0.2ml						

Applications

- Serum extracted from whole blood
- Separation of blood cells
- Rapid sedimentation of samples
- Supernatant extraction of various samples
- Microbial sample processing
- Partition centrifugation for PCR experiments

Equipped accessories



Strip rotor

For 4×8×0.2ml tubes



8-position rotor

For 1.5/2.0ml×8 tubes



Tube adaptors

For 0.5ml tubes

MC-15K Micro High Speed Centrifuge

Introduction

The product MC-15K is a miniaturized high-speed centrifuge with small footprint and safe operation that for biological laboratories. It accelerates/decelerates quickly with soft brake function, effectively preventing sample resuspension and protecting sensitive samples.



Rotor lid



Tube adaptors



Features

- Noise reduction and near silent runs
- Pressing the “Quick” key alone for transient centrifugation
- High strength aluminum alloy rotor is sterilizable
- Unique air duct for minimum sample temperature rise
- Stronger Al-alloy autoclavable rotor
- Safe and reliable electronic lock protection
- Equipped with an automatic imbalanced detection system



Unique air duct



BLDC motor Long life maintenance free



Soft brake function



Automatic imbalance detection

Product parameters

Model	MC-15K	Liquid temperature rise	≤ 10°C
Voltage	DC24V 5A	Noise Level	≤ 60dB
Timer	1s~99m59s	Acceleration/Deceleration Rate (Fast)	≤ 30±5s
Speed	500~15000rpm (100rpm increments)	Acceleration/Deceleration Rate (Slow)	60±5s
Max.RCF	100~15000xg (100xg increments)	Max.Sample Density	1.2g/ml
Max.Rotor Radius	60mm	Power	100W
Capacity	12×1.5/2.0ml	Dimension (W×D×H)	230x270x155 (mm)

CF-1524 High Speed Centrifuge

Features

- TFT LCD touch screen, easy and friendly operation
- Impact design, Reliable and Safe
- Extremely quiet, lower than 62dB
- Soft brake function to protect sensitive samples
- Maintenance-free brushless motor
- Adsorption locking design help user to close lid by one hand
- Bio-safety rotor with triple protection



TFT touch screen



Soft brake protects sensitive samples



Maintenance-free brushless motor



Extremely quiet

Product parameters

Model	CF-1524	Acceleration/Deceleration	I (≤ 20s) ; II (≤ 40s) ; III (≤ 60s)
Speed	500~15000rpm (Increasement100rpm)	Max. Power	500W
Timer	1s~99m59s (short spin available)	Net. Weight	12kg
Max.Density of Sample	1.2g/ml	Dimension(W×D×H)	250×360×210(mm)

Optional rotors

Capacity	24×1.5ml/2.0ml tubes	18×5ml	4×PCR strips
Picture			
Rotor Max.Radius	85mm		68mm
RCF	100-21400xg		100-17100xg

CF-1524R Refrigerated Centrifuge

Features

- TFT LCD touch screen, easy and friendly operation
- Impact design, Reliable and Safe
- Extremely quiet, lower than 58dB
- Soft brake function to protect sensitive samples
- Maintenance-free brushless motor
- Adsorption locking design help user to close lid by one hand
- Bio-safety rotor with triple protection
- QTemp. function for quick pre-cooling of centrifuge



TFT touch screen



Soft brake protects sensitive samples



Maintenance-free brushless motor



Extremely quiet

Product parameters

Model	CF-1524R	Max.Density of Sample	1.2g/ml	Cooling Rate (to 4°C)	≤ 20min
Voltage	AC100~120V/AC200~240V 50~60Hz	Acceleration/Deceleration	I (≤ 20s) ; II (≤ 40s) ; III (≤ 60s)	Temperature Range	-20°C ~ +40°C (under room temperature 25°C)
Timer	1s~99m59s (short spin available)	Cooling function	Motor not working: cool down to -20°C Motor working: cool down to 4°C	Power	600W
Speed	500~15000rpm (Increasement 100rpm)	Temperature Accuracy (at 4°C)	±2°C	Noise	58dB
RCF	100-21400xg	Dimension (W×D×H)	300x490x320(mm)	Weight	30kg

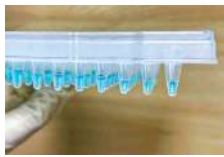
Optional rotors

Capacity	24×1.5ml/2.0ml tubes	4× 8x0.2ml strips	18×5ml (For round bottom)
Picture			
Rotor Max.Radius	85mm	68mm	85mm
RCF	100-21400xg	100-17100xg	100-21400xg

MP-2500 Microplate Centrifuge



/// Before



/// After



/// Equipped with tube adaptors



/// Introduction

MP-2500 microplate centrifuge is an instantaneous centrifuge specially designed for microplate. It is suitable for: 0.2ml PCR tube strip、8×0.2ml PCR tube strips、96-well or 384-well PCR plates、Various standard PCR microplates (including skirted)

/// Features

- Applies to kinds of PCR plates with/without skirt
- Two operating modes: inching and timing
- Instantaneous acceleration to 2800 rpm and stop in 6 s with electronic brake
- Wall droplets rapidly cleared
- Efficiently improves PCR experiment result
- Top cover opening 95° for easy operation



BLDC motor Long life maintenance free



Stop in 6s



Inching and timing mode



Easy to operate

/// Product parameters

Model	MP-2500	Noise Level	≤ 55dB
Voltage	DC 24V, 2A	Capacity	8×0.2ml PCR tube strips/0.2ml PCR tubes / 2×96-well PCR plate
Timer	1s~99s (Short Spin)	Deceleration Time	≤ 6s
Max.Speed	2800rpm	Acceleration Time	≤ 15s
Max.RCF	600xg	Power	48W
Max.Rotor Radius	63mm	Dimensions (W×D×H)	220x245x200 (mm)

CS-200E Orbital Shaker

Introduction

CS-200E is an economical shaker which is affordable for most labs, offering gentle and stable vibration for a variety of sample mixture in fields biology, micro biology and medical analysis. Platforms are applied to kinds of vessels like, cultures, flasks, tubes and etc.



Features

- Simple design makes operation easy
- Brushless motor is maintenance free and reliable, quiet
- Speed can be adjustable with stable vibration
- Durable rubber mat is leakproof and anti-corrosive
- Various platforms for option

Product parameters

Model	CS-200E	Speed	50-250rpm	Dimension (W×D×H)	345X280X93 (mm)
Shaking Mode	Circle	Operation Mode	Continuous	Voltage	AC100-240V
Orbital Diameter	20mm	Max.Load (with clamps)	3.5kg	Shell guard level	IP21
Time	1m-99h59m/0 infinite time		Power	35W	

Optional Trays

Type	Platform	Dimension (mm)
CP1	Single platform	280x260 (mm)
CP2	Double platform	280x260x120 (mm)
P3	Aluminum alloy tray with 6x250ml flask clamps	270x220x5 (mm)
P4	Aluminum alloy tray with 12x100ml flask clamps	270x220x5 (mm)
P5	Stainless steel tray with adjustable flask holder	270x220x40 (mm)
P6	Universal tray	301x235x50 (mm)



CP1



CP2



P3



P4



P5



P6

CS-100/200 Orbital Shaker

Introduction

CS-100/200 series orbital shaker offers gentle oscillation suitable for various mixing in different fields due to DC brushless motor and microcomputer control technology. It is easy to change different trays, it can mix and cultivate common flasks, petri dishes, and beakers. Widely used in fields of biology, microbio logy and medical analysis.



Features

- Maintenance free DC brushless motor
- Can be used in freezer room due to a variety of modes for mixing in different fields
- LCD displays instant speed, running time and working status
- Timer function with automatic alarm function
- Replaceable trays for different vessels



Maintenance free motor



Timer/pulse/short mixing



LCD display



Six specifications of pallets

Product parameters

Model	CS-100	CS-200	Model	CS-100	CS-200
Speed	50-300rpm	50-250rpm	Working Temperature	4-45°C	
Orbit Diameter	10mm	20mm	Dimension (W×D×H)	284×264×90 (mm)	
Timer	1m-99h59m/0 infinite time		Voltage	AC100-230V	
Load	3kg	2.5kg	Power	35W	

Optional Trays

Type	Platform	Dimension (mm)
CP1	Single platform	280x260 (mm)
CP2	Double platform	280x260x120 (mm)
P3	Aluminum alloy tray with 6x250ml flask clamps	270x220x5 (mm)
P4	Aluminum alloy tray with 12x100ml flask clamps	270x220x5 (mm)
P5	Stainless steel tray with adjustable flask holder	270x220x40 (mm)
P6	Universal tray	301x235x50 (mm)



CP1



CP2



P3



P4



P5



P6

RS-100E Rocker Shaker

Introduction

This rocker shaker is designed with simple conception, widely used for dyeing and decoloring. It's a ideal device for cell culture, antibody and vaccine production fields as well as hybridization, WB and samples washing procedures and etc.



Features

- Simple design makes operation easy
- Brushless motor is maintenance free and reliable, quiet
- Speed can be adjustable with stable vibration
- Durable rubber mat is leakproof and anti-corrosive
- Various platforms for option

Product parameters

Model	RS-100E	Max. Load (with clamps)	3kg
Shaking Mode	Rock shaking	Dimension (W×D×H)	345X308X108 (mm)
Orbital Diameter	10°	Voltage	DC24V
Speed	10-70rpm	Power	50W
Operation Mode	Continuous	Shell guard level	IP21

Optional Trays

Type	Platform	Dimension (mm)
CP1	Single platform	280x260 (mm)
CP2	Double platform	280x260x120 (mm)



CP1



CP2

RS-100 Rocker Shaker

Introduction

RS-100 provides a gentle oscillation to various laboratory vessels, such as petri dishes, triangular flasks and culture flasks; which could be used in cold room. It's ideal device for bio molecular hybridization on strips and for staining/destaining procedures in electrophoresis and homogenization.



BLDC motor



Timing/Pulse/Touch



LCD display

Features

- Offering gentle oscillation when acceleration and deceleration
- Compliance to various vessels, like culture dishes, flasks
- Optional platforms for choices to users' needs
- Stainless platforms with wear-resistant mat, easy to clean, anti-corrosive, anti-deformable
- User-friendly LCD display is easy to operate
- Ball bearing makes joints more reliable
- Maintenance free DC brushless motor

Product parameters

Model	RS-100	Voltage	AC100 ~ 230V/50/60HZ
Speed	10 ~ 100 rpm	Power	45W
Timer	1m-99h59m/0: infinite time	Tray Size(W×D)	300×240 mm
Amplitude	(up and down) 25mm(10')	Dimension (W×D×H)	284×264×139 (mm)
Max.Capacity	5.0kg	Net.Weight	5.6kg

Optional Trays

Type	Platform	Dimension (mm)
CP1	Single platform	280x260 (mm)
CP2	Double platform	280x260x120 (mm)



CP1



CP2

NS-9 Incubator Shaker



Introduction

This incubator can offer oscillation and incubation (heating) for samples in beakers or flasks and other vessels due to a variety of optional platforms. It is an ideal equipment for cell/tissue culture, fermentation, hybridization and biochemical reaction in medical, biology, pharmacy, food safety and environmental experiments.

Features

- 4.3 inch colorful TFT screen, easy to use
- Impact structure, reasonable size for most labs
- Good temperature uniformity, low noise benefit from MCU controller and advance software
- Unique balance system ensuring stable high speed running
- Over-temperature protect, as well as safe guard upon lid open
- Maintenance free brushless motor and high precise bearing



TFT display, easy set up parameters



Maintenance free Brushless motor

Product parameters

Mode	NS-9	Temperature Display	0.1°C	Platform dimension	310 x 310mm	Voltage	AC100-120V/ AC210-240V
Temperature Control Range	RT +5°C ~ 60°C	Temperature Uniformity	≤ ±0.5°C (@37°C)	Max.Height of vessel	305mm	Max.Power	650w
Temperature Set Range	0°C ~ 60°C	Amplitude	20mm	Max.Load	5kg	Dimension (W×D×H)	400 x 630 x 490 (mm)
Temperature Precision	≤ ±0.3°C (@37°C)	Speed range	50 ~ 300rpm	Timer	1m~99h/Infinite	Weight	37kg

Max. capacity of NP4

Flask type	Capacity
50ml	25
100ml	16
250ml	9
500ml	5
1L	4
2L	2

Optional accessories

Type	Platform	Size
NP1	Flat type	315X315
NP2	Universal with springs	310X310X45
NP3-1	50mlx25 or 100mlx16 or 250mlx9	Platform with clamps 315X315
NP3-2	500mlx5 or 1000mlx4 or 2000mlx2	
NP4	Platform with adhesive mats	315X315 (with 4 pcs adhesive mate)

NS-16 Incubator Shaker

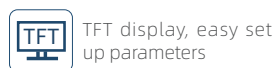
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Features

- 4.3 inch colorful TFT screen, easy to use
- Impact structure, reasonable size for most labs
- Good temperature uniformity, low noise benefit from MCU controller and advance software
- Unique balance system ensuring stable high speed running
- Over-temperature protect, as well as safe guard upon lid open
- Maintenance free brushless motor and high precise bearing



Product parameters

Model	NS-16	Temperature Display Accuracy	0.1°C	Platform dimension	420 x420mm	Voltage	AC100-120V/ AC210-240V
Temperature Control Range	RT +5°C ~ 60°C	Temperature Uniformity	≤ ±0.5°C (@37°C)	Max.Height of vessel	365mm	Max.Power	650w
Temperature Set Range	0°C ~60°C	Amplitude	20mm	Max.Load	10kg	Dimension (W×D×H)	525 x 770 x 535 (mm)
Temperature Precision	≤ ±0.3°C (@37°C)	Speed range	50 ~ 300rpm	Timer	1m~99h/Infinite	Weight	45kg

Max. capacity of NP8

Flask type	Capacity	Flask type	Capacity
50ml	64	1L	9
100ml	36	2L	4
250ml	16	3L	4
500ml	9		

Optional accessories

Type	Platform	Size
NP5	Flat type	420X420
NP6	Universal with springs	410X410X80
NP7-1	50mlx49	Platform with clamps 420X420
NP7-2	100mlx36 or 250mlx16	
NP7-3	500mlx9 or 1000mlx5 or 2000mlx4	
NP8	Platform with adhesive mats	420X420 (with 9 pcs adhesive mate)

WS-100 Water Bath Shaker

Introduction

This equipment offers water bath incubation and mild oscillation, which is economical, safe and quiet. It is widely used in fields of biology, microbiology, medical analyzer and etc.



TFT color display



Maintenance free motor



Lid open to 95°



Suitable for various vessels



Features

- TFT color display, easy operation to set up programs
- Maintenance free brushless motor
- PID controlled, stable temperature
- Built-in liquid level sensor with beep alarm, safe and reliable
- Hinge lid can open to 95 degree, convenient for user to handle samples

Capacity

Tubes	Flasks
45*10ml	6*100ml
45*15ml	3*250ml
20*50ml	2*500ml
---	1*1000ml

Product parameters

Model	WS-100	Uniformity	±0.3°C
Tank Volume	10L	Vibration Mode	Circle
Temperature Control Range	RT+5~100°C	Tank Dimension	240x300x150
Temperature Set Range	0°C ~100°C	Voltage	AC100~120V/AC200~240V 50~60Hz
Timer	1m~99h59m	Power	1100W
Speed Range	30-200 rpm/off	Dimension (W×D×H)	340x470x345 (mm)
Temperature Accuracy	±0.3°C @37° C		

HS-350C Hotplate Magnetic Stirrer

Introduction

HS-350C magnetic hotplate is characterized safe, user-friendly. The hotplate is made of stainless steel coated with nano ceramic, which can heat up to 340°C .



Over-heat protection



anti-corrosive



Strong magnetic Anti-bounce



Features

- Tempered glass surface with big size screen, easy to use and set parameters
- Stainless steel coated ceramic, anti-corrosive, beating high temperature
- Adjustable speed is suitable for different experiments
- Safety Temp. displays on screen, automatically turned off once temperature exceeding 50°C to the setting temperature
- Instant temperature displayed after shut-off, prevent users get burnt by accident

Product parameters

Model	HS-350C	Voltage	AC100-120V/AC200-240V 50-60Hz
Heating plate Material	Stainless steel coated ceramic	Heating Plate Dimension	φ137mm
Temperature Range	R.T. +5°C ~340°C	Max.Sample Volume (H ₂ O)	20L
Temperature Set Range	0°C ~340°C	Max.Stirring Bar Length	80mm
External temperature sensor	PT1000	Display	LCD
Safety Temp.	390°C	Dimension (W×D×H)	160x270x75 (mm)
Speed Range	100~1500rpm	Power	550W
Stirring Position	1	Weight	2.5kg

HS-350 Hotplate Magnetic Stirrer

Introduction

This stirrer with magnetic hotplate is made of stainless steel coated ceramic, the heating plate can heat up to 340°C, which is anti-corrosive, bearing heat shock. Stirring with magnetic stir bar, it is used in a variety of labs.

Features

- TFT screen, easy to use and set parameters
- Maintenance brushless motor, safe and durable
- Stainless steel coated ceramic, anti-corrosive, bearing high temperature
- Adjustable speed
- Countdown timer with alarm
- Over-heat protect with temperature displayed



Product parameters

Model	HS-350	Temperature Sensor	PT1000
Voltage	AC100-120V/AC200-240V 50-60Hz	Speed Range	100~1500rpm
Heating Plate Dimension	Ø 137	Max.Sample Volume (H ₂ O)	20L
Timer	1m-99h59m	Max.Stirring Bar Length	80mm
Stirring Position	1	Min.Adjustable Safe Temperature	50°C
Heating Plate Material	Stainless steel coated ceramic	Max.Adjustable Safe Temperature	390°C
Heating Plate Temperature	RT+5°C ~350°C	Dimension (W×D×H)	170x275x76 (mm)
Temperature Set Range	0°C ~350°C	Power	550W
Temperature Stability	±1°C	Weight	2.2kg

HS-8 Hotplate Magnetic Stirrer

Introduction

HS-8 is a hotplate stirrer designed for high-efficiency experiments. The maintenance free brushless DC motor working with low noise. Working surface adopts stainless steel coated silicone film which is non-slip and corrosion resistant



Non-slip surface



Multi-channel

Features

- LCD display
- Stable temperature
- Max. temperature 120°C
- Multi channel improves efficiency
- Stirrer bar running synchronously ensure samples uniformity
- Maintenance free brushless DC motor

Product parameters

Model	HS-8	Safe temperature	140°C
Voltage	AC100~120V/AC200~240V 50~60Hz	Speed Range	200-1200 rpm
Stirring Position	8	Power	400W (heating power) 30W (stirring power)
Max.Capacity	8x400ml	Motor	Brushless DC motor
Max.Stirring Bar Length	46mm	Working Surface	stainless steel coated silicone film
Temperature	RT +5~120°C	Display	LCD
Temperature Set Range	0°C ~120°C	Dimension (W×D×H)	205x480x50 (mm)

S-8 Magnetic Stirrer

Introduction

S-8 is a stirrer designed for high-efficiency experiments. The maintenance free brushless DC motor working with Low noise. Working surface adopts stainless steel coated silicone film which is non-slip and corrosion resistant.



Multi-channel



Magnetic stirring bar

Features

- LCD display
- Maintenance free brushless DC motor
- Multi channel improves efficiency
- Stirrer bar running synchronously ensure samples uniformity

Product parameters

Mode	S-8	Timer	1m~99h59m
Voltage	AC100~240V 50~60Hz	Stirring Bar Length	46mm
Position	8	Speed Range	200-1200 rpm
Max.Capacity	8x400ml	Motor	Brushless DC motor
Power	30W	Working Surface	stainless steel coated silicone film
Dimension (W×D×H)	205x480x50 (mm)	Display	LCD

OS-2200 (D) Overhead Stirrer

/// Introduction

OS-2200 (D) is a high-tech overhead stirrer with its compact design and ideal for mixing medium and high viscosity liquid or solid-liquid mixture applications in chemical synthesis, pharmaceutical, physical and chemical analysis, petrochemical, cosmetics, health products, food, biotechnology and other fields.



LCD display



Torque display



Automatic Display power



Optional stirrer



/// Features

- Large screen, aluminum alloy head shell
- Speed and torque display, easy to operate
- Adjustable rotational speed with the sample consistency
- Near silence due to BLDC motor
- Safe and durable, overload protection and automatically shut down
- Clockwise or counterclockwise two operation modes

/// Product parameters

Model	OS-2200	OS-2200D	Model	OS-2200	OS-2200D	Model	OS-2200	OS-2200D
Max.Capacity	20L	40L	Speed display Accuracy	±1rpm		Voltage	AC100 ~ 240V 50~60Hz	
Max.Viscosity	20000mpas	50000mpas	Rotation direction	clockwise/anti-clockwise		Power	100W	120W
Max.Torque	40Ncm	60Ncm	Clamping Diameter	0.5-10mm		Dimensions (W×D×H)	90 x 160 x 220 (mm)	
Speed	50~ 2200rpm		Timer	1-99h59m		Weight	3.3kg	3.5kg
Speed Accuracy	±3rpm		Screen	TFT 3.5 inch				

/// Optional accessories

No.	Stirrers	Length	Max. dismeter	Remark	No.	Stirrers	Length	Max. dismeter	Remark
1	Propeller and Shaft	40cm	5cm	304 Stainless Steel	5	Propeller and Shaft	35cm	6.5cm	PTFE coated
2	Straight Blade and Shaft	40cm	6cm	304 Stainless Steel	6	Straight Blade and Shaft	35cm	7cm	PTFE coated
3	Pitched Blade and Shaft	40cm	6.8cm	304 Stainless Steel	7	Pitched Blade and Shaft	35cm	6.8cm	PTFE coated
4	Centrifugal head and Shaft	40cm	9cm	304 Stainless Steel	8	Centrifugal head and Shaft	35cm	8.5cm	PTFE coated

MJ-800(D) Bacti-cinerator Sterilizer

Introduction

Bacti-cinerator sterilizer is used for incineration and disinfection of small tools and bottles such as inoculation rings, inoculation needles, lab tweezers and triangle and tube mouth. It is easy to operate and widely used in the environment of biological safety cabinets, purification worktables, suction fans and mobile vehicles, etc.



Features

- Replace alcohol lamp, safe and convenient
- Center temperature up to $800^{\circ}\text{C} \pm 50^{\circ}\text{C}$, rapid sterilization
- Small and light, easy to use
- Suitable for anaerobic chamber
- Ash organic material to prevent infectious splash and cross contamination
- Automatic shutdown after 3H, extending service life



optional accessory



For MJ-800



For MJ-800D



Fixed Angle



Max. Temp $\geq 800^{\circ}\text{C} \pm 50^{\circ}\text{C}$



Rapid sterilize



Automatic shutdown

Product parameters

Model	MJ-800	MJ-800D	Model	MJ-800	MJ-800D
Central High Temperature	800°C \pm 50°C		Heater Head Length	150mm	100mm
Standby Temperature	400°C \pm 50°C		Power	200W	400W
Heater Head Angle	21°		Weight	1.3kg	1.4kg
Max.Sample Diameter	ϕ 14mm	ϕ 35mm	Dimension(W×D×H)	187x112x200 (mm)	170x112x212 (mm)

GS-300(D) Glass Bead Sterilizer

/// Introduction

GS-300(D) Glass Bead Sterilizer is a product for rapid sterilization of small experimental tools (such as surgical forceps, scissors, forceps, scalpels, needles, inoculation rings, inoculation needles, etc.) by high temperature glass beads. It can be used sterilize small solid metal and glass utensils within 10 seconds, and effectively eliminate bacteria, spores and other microorganisms. It is widely used in scientific research laboratories



/// Features



- Small size, easy operation and durable
- Maximum temperature is 300°C
- High-performance heating elements, high-precision temperature controller with over temperature protection
- Cool down to 100°C automatically after 5-hour heating of 300°C



LED Display



Corrosion Resistant



Max. Temp up to 300

/// Product parameters

Model	GS-300	GS-300D	Model	GS-300	GS-300D
Voltage	AC100-120V/AC200-240V 50-60Hz		Tank Dimension	φ40mm×80mm	φ40mm×140mm
Temperature Range	100~300°C		Beads Capacity	150g	300g
Temperature Accuracy	≤ 5°C		Power	120W	250W
Heating Rate	≤ 25min (Room temperature to 300°)		Dimensions (W×D×H)	135 x 150 x 160 (mm)	135 x 150 x 210(mm)

BC-108 Blue Light Transilluminator

Introduction

BC-108 works with LED Blue Light source, which can prevent the users' eyes, face, hands from UV rays hurt. It can replace traditional UV transilluminator to observe the nucleic acid and protein in the stained gel, cut the gel.



Features

- Safe and reliable
- Small, ultra-thin and light
- User-friendly lid: easy to observe with amber transparent filter lid which is rotated or fixed angle as needed
- Durable: Maintenance free LED life longer than 60,000h
- Recommend to use nucleic acid stain agent which can be stimulated by 470nm wavelength light

Product parameters

Model	BC-108
Voltage	DC24V
Max.Gel Size	160x100 (mm)
Wavelength	470nm
LED Radiation Mode	Double sides matrices
LED Life	60000h
Dimensions (WxDxH)	225x205x49 (mm)
Weight	1.3kg
Power	20W

DC150-1/-2 Sample Concentrator



///DC150-1



///DC150-2

///Introduction

Fast efficient sample concentration suitable for a variety of tube controlled by PID with high precise temperature. The gas delivery needles are independent, which could control gas separately to ensure sample concentration a good uniformity. The height of the sample concentrators gas reservoir is located on an adjustable stand for accurate height control. This flexible combination of blocks makes the instrument compatible with most sample vessels.

///Features

- Independent needles avoid cross contamination
- Every gas volume adjustable
- Needles can work combined or alone
- Convenient to adjust gas for samples
- Accurate temperature, large temperature range, easy to calibrate
- Safe to use due to the height adjustable stand
- Stand rod with scale for accurate height control



Independent needles



Rod with scale



Display



Timer

///Product parameters

Model	DC150-1	DC150-2	Model	DC150-1	DC150-2
Temperature Control Range	RT +5°C ~150°C		Nitrogen Flow	0~12L/min	
Temperature Set Range	0°C ~150°C		Pressure	≤ 0.2MPa	
Heating Up Rate	≤ 30min (20°C to 150°C)		Dimension (W×D×H)	220 x290 x540 (mm)	
Temperature Stability @40°C	±0.3°C		Block quantity	1	2
Temperature Stability @100°C	±0.5°C		Power	200W	400W
Temperature Stability @120°C	±1°C		Weight	3.9kg	5kg
Timer	0~99h59min				



D1A



D2A



D3A



D4A



D5A



D6



D7



D8



D9



D10



D11



D12



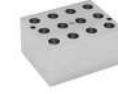
D13A



D14A



D15A



D16A



Gas flow controller for option

Optional Blocks

Type	Tube diamter	Capacity	Size mm	Type	Tube diamter	Capacity	Size mm
D1A	6 mm (φ6.5×47)	12	96.5X76.5X50	D9	20 mm (φ20.5×47)	12	96.5X76.5X50
D2A	7 mm (φ7.5×47)	12	96.5X76.5X50	D10	26 mm (φ26.5×47)	8	96.5X76.5X50
D3A	10 mm (φ10.5×47)	12	96.5X76.5X50	D11	28 mm (φ28.5×47)	6	96.5X76.5X50
D4A	12 mm (φ12.5×47)	12	96.5X76.5X50	D12	38mm (φ38.5×47)	3	96.5X76.5X50
D5A	13 mm (φ13.5×47)	12	96.5X76.5X50	D13A	0.2ml centrifuge tube (φ6.1×17)	12	96.5X76.5X50
D6	15 mm (φ15.5×47)	12	96.5X76.5X50	D14A	0.5ml centrifuge tube (φ8×23)	12	96.5X76.5X50
D7	16 mm (φ16.5×47)	12	96.5X76.5X50	D15A	1.5ml centrifuge tube (φ10.8×31)	12	96.5X76.5X50
D8	19 mm (φ19.5×47)	12	96.5X76.5X50	D16A	2ml centrifuge tube (φ10.8×31)	12	96.5X76.5X50

DC150-1A Sample Concentrator

Introduction

Designed for Microplate with unique heating aluminum block which can transmit heat to sample quickly . Fast efficient sample concentration controlled by PID with high precise temperature, with display, Timer, beep alarm functions.



Features

- Independent needles avoid cross contamination
- Convenient to adjust gas for samples
- Accurate temperature up to 150°C
- Safe to use due to the height adjustable stand
- Stand rod with scale for accurate height control



Rod with scale



Display



Gas chamber Good sealing

Product parameters

Model	DC150-1A	Block quantity	1
Temperature control range	RT+5°C ~150°C	Timer	0~99h59m
Temperature Set Range	0°C ~150°C	Nitrogen Flow	0~12L/min
Heating Up Rate	≤ 30min (20°C to150°C)	Pressure	≤ 0.2MPa
Temperature stability @40°C	≤ ±0.3°C	Power	400W
Temperature stability @100°C	≤ ±0.5°C	Dimension (W×D×H)	220x290x460 (mm)
Temperature stability @120°C	≤ ±1°C		

Optional Blocks

Type	Tube diamter	Size (W×D×H)
D17	96×0.2ml PCR plate,8×0.2ml strip	153x96.5x33.5 (mm)
D18	Elisa plate, deep well plate, cell culture plate	153x96.5x22.5 (mm)



D17



D18



Gas flow controller for option

DC150-1B Visible Sample Concentrator

Introduction

Fast efficient sample concentration controlled by PID with high precise temperature, with display, timer, beep alarm functions. The heating aluminum block which can transmit heat to sample quickly, make the device an ideal replacement of the traditional water bath concentrator. This sample concentrator widely used in fields of drug testing, hormone analysis, liquid phase and spectrometry and etc.



Features

- Large temperature range, high efficient
- Unique designed block with slots for sample observation
- Independent needles avoid cross contamination
- Device can be used in fume hood to handle poison gas
- Built-in over heat system
- LED display, easy to operate



Block with slots for observation



Rod with scale



Display



Independent needles

Product parameters

Model	DC150-1B	Temperature Stability @100°C	≤ ±0.5°C	Needles Length	150mm
Temperature Control Range	RT +5°C ~150°C	Temperature Stability @120°C	≤ ±1°C	Gas Chamber adjustable distance	280mm
Temperature Set Range	0°C ~150°C	Block quantity	1	Pressure	≤ 0.2MPa
Heating Up Rate	≤ 30min (20°C to 150°C)	Timer	0 ~99h59m	Power	400W
Temperature Stability @40°C	≤ ±0.3°C	Nitrogen Flow	0~12L/min	Dimension (W×D×H)	220x290x540 (mm)

Optional Blocks

Type	Capacity	Block hole diameter	Size (mm)
K1	φ10 mmx 12	φ10.5 mmx 47	153 x 96.5 x 50
K2	φ12 mmx 12	φ12.5 mmx 47	153 x 96.5 x 50
K3	φ13 mmx 12	φ13.5 mmx 47	153 x 96.5 x 50
K4	φ15 mmx 12	φ15.5 mmx 47	153 x 96.5 x 50
K5	φ16 mmx 12	φ16.5 mmx 47	153 x 96.5 x 50
K6	φ19 mmx 12	φ19.5 mmx 47	153 x 96.5 x 50
K7	φ20 mmx 12	φ20.5 mmx 47	153 x 96.5 x 50



K1



K2



K3



K4



K5



K6



K7

MiniH-100P Biological Indicator Incubator

Introduction

MiniH-100P is special equipment for biological Indicators with small size and light weight. It is suitable for testing and cultivating the sterilization of various biological indicators for pressure steam sterilization and ethylene oxide sterilization, etc.



LCD display



Optional blocks



Overheat protection

Feature

- LCD display
- Instant temperature and time countdown display
- Automatic fault detection with buzzer alarm
- Timer options by 0~99S , 0~99M, 0~99H
- Optional and customized blocks, easy to exchange
- Temperature calibration function
- Low power with 8W
- Multiple security protection

Product parameters

Model	MiniH-100P	Temperature Stability@100°C	±0.3°C
Temperature Setting Range	RT +5°C ~80°C	Temp.Display Accuracy	0.1°C
Temperature Set Range	0°C ~80°C	Timer	1~99h, 1~99m, 1~99s, 0:infinite time
Temperature Uniformity (below 56°C)	±0.3°C	Heating Up Rate	<6m (20°C to 56°C)
Temperature Stability@40°C	±0.3°C	Power	48W

Optional Blocks

Type	Capacity
E1	15 x φ10mm (φ10.8 x 32)
E2	12 x φ12mm (φ12.5 x 32)
E3	8 x φ15mm (φ15.5 x 32)
E4	8 x φ16mm (φ16.5 x 32)
E5	24 x φ9mm (φ9.5 x 32)



E1



E2



E3



E4



E5

VP-26D Vacuum Suction System

/// Introduction

Our vacuum suction system is a benchtop, contamination free vacuum equipment, portable and easy to operate. This system combined by a vacuum pump and a collection bottle, which is widely used for sample aspiration/collection in biochemistry and medical engineering experiments like centrifugal liquid supernatant or sediment, Elisa plate washing and biochemical analyzer liquid.



Negative Pressure
0~0.09Mpa



Optional 2
Drainage bottle
250/1000ml

/// Features

- Quiet, small size
- Low power driven by motor
- Oil-resistant pump membrane, can improve pump performance and Anti-vibration
- Adjustable pressure 0~0.09Mpa, air release valve

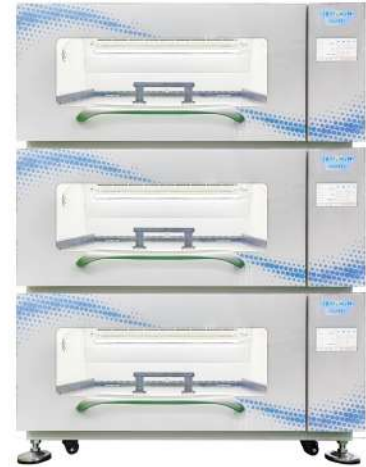
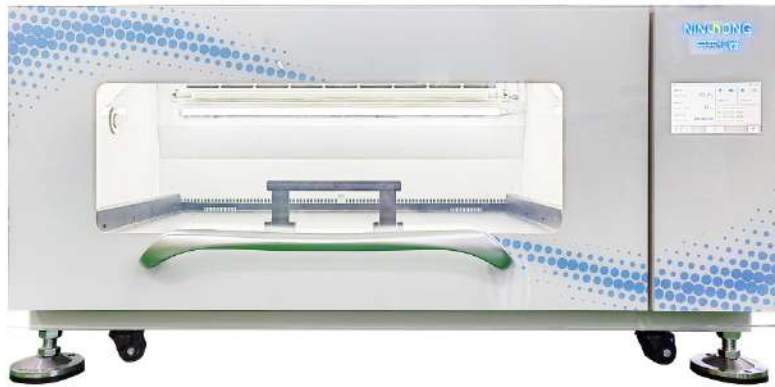
/// Product parameters

Mode	VP-26	VP-26D	Mode	VP-26	VP-26D
Voltage	AC100~120V/AC200~240V 50~60Hz		Pressure	0~0.08Mpa	
Gas Flow	26L/m		Filter Bottle	250ml	1000ml
Vacuum Degree	0.08Mpa		Usage Temperature	5°C ~30°C	
Dimension (W×D×H)	195x275x165 (mm)		Relative Humidity	≤ 70%	
Power	60W		Weight	4.5kg	

/// Remarks

- Please pay attention to the liquid volume in collection bottle, discharge when it reaches max. line to avoid suck-back.
- Don't keep it working over than 30min, turn off the equipment when it warms up. Restart when it cools down.
- After finishing experiment, vent residual gas from pump to extend equipment life. The trapped air in pump may damage pump.

CA-280 Stackable Incubated Shaker

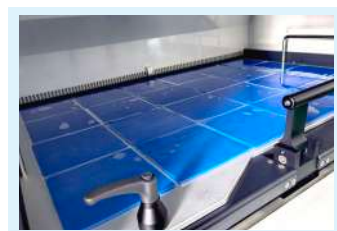
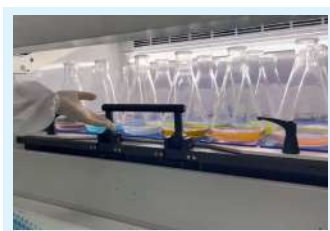


///Introduction

CA-280(ABC) are stackable shakers which can be stacked two or three on floor for space saving. Shakers are controlled by PID micro-computer with high accurate temperature, with over-temperature audible and visual alarm, and various platforms for variety of flasks, beakers, culture dishes, tubes and etc. This model of shakers are widely used in industries of medical, biology, pharmaceutical, food and environment for applications of Bacterial suspensions, Hybridizations, Solubility studies, Washing procedures, General mixing, Protein expression, Staining and destaining and ect.

///Features

- Quality cooling system, outstanding temperature uniformity
- Unique designed dynamic balancing system
- Built-in UV light for thorough sterilization
- Rugged construction, extremely quiet working, stable shaking
- Double-glazed security door with good heat insulation, users can easy to observe
- Stack three to save space in labs
- Long life span, easy to maintenance
- Built-in USB port for data output, optional printer
- Upward lift door with balance power-assist



/// Product parameters

Product	Stackable Incubated Shaker		
Model	CA-280A(single)	CA-280B(double)	CA-280C(triple)
Speed (no load)	5-330rpm		
Speed accuracy	±1rpm		
Amplitude	Φ26mm		
Temperature range	4~60°C (Ambient temperature ≤ 30°C)		
Room temperature	≤ 30°C		
Temperature adjustment accuracy	±0.1°C		
Temperature uniformity	±0.5°C (@37°C)		
Display	LCD		
Convection way	Forced-convection heat transfer		
Temperature control	PID		
Timer	0-999h59m		
Interchangeable platform size	905mmx565mm		
Voltage	AC220±10% 50-60Hz		
Power	1300W		
Dimension (LxWxH)	1315mmx855mmx660mm	1315mmx855mmx1230mm	1315mmx855mmx1795mm
Weight	250kg	490kg	730kg
Noise	< 55dB		
Height from platform to inner top	340mm		

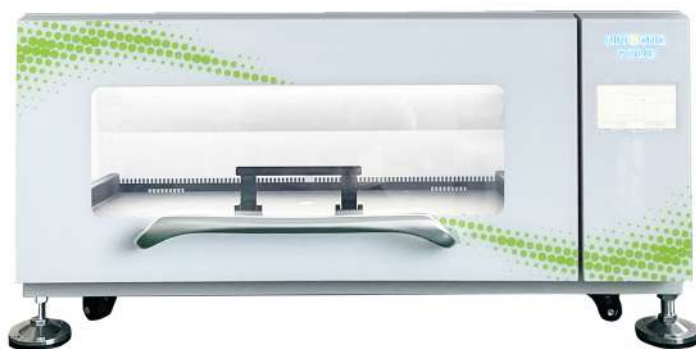
/// Note: capacity of one shaker

Flask type	Max. Capacity(Adhesive mats)	Max. Capacity(Clamps)
50ml	171	160
100ml	104	96
250ml	67	60
500ml	40	40
1L	24	24
2L	15	15
3L	11	11

/// Optional accessories

Platform model	Description	Dimension
NP661	Flat platform	905X565(mm)
NP662	Multifunction spring platform	895X565X100(mm)
NP663	Flask clamps	905X565(mm)
NP664	Adhesive mats	905X565(mm) 24 pcs mats

CA-C280 (ABC) CO₂ Stackable Incubated Shaker



/// Introduction

CA-C280(ABC) are carbon dioxide stackable Incubated Shakers, commonly used in microbial cell fermentation, animal cell and plant cell culture, also in industries of biological medicine, food development, biology, agriculture and environmental protection to carry out microbial cultivation, strain and cell line screening etc. as well as hybridization, biochemical reaction and enzyme reaction with high requirements of temperature.

/// Features

- Double-glazed security door with heating film, avoid fogging and dripping
- Compact design, Stack up to three units high, Space-saving
- Window shade is optional for some light sensitive sample
- Drawer-type platform, easily pulled in and out for operation and accessories installation
- Upward lift door with balance power-assist
- The platform stops once door is open
- 7 inch colorful TFT screen, easy to use
- Built-in USB port for data output



Product parameters

Product	CO ₂ Stackable Incubated Shaker		
Model	CA-C280A(Single)	CA-C280B(Double)	CA-C280C(Triple)
Speed (no load)	5-260 rpm		
Speed accuracy	±1rpm		
Amplitude	Φ50mm(Standard) Φ26mm(Optional)		
Temperature range	4~60°C (Ambient temperature ≤ 30°C)		
Temperature adjustment accuracy	±0.1°C		
Temperature uniformity	±0.2 (@37°C)		
CO ₂ control range	0-20%		
CO ₂ control accuracy	0.1%		
Display	LCD (Touch Screen)		
Temperature control	PID		
Timer	0-999h59m		
Interchangeable platform size	905mmx530mm		
Voltage	AC220±10% 50-60Hz		
Power	1300W		
Dimension (LxWxH)	1315mmX855mmX660mm	1315mmX855mmX1230mm	1315mmX855mmX1795mm
Weight	250kg	490kg	730kg
Noise	< 55dB		

Capacity of one stack:

Flask type	Max. flasks on adhesive platform	Max. flasks on clamp platform
250ml	60	60
500ml	38	38
1L	24	18
2L	15	15
3L	11	11

CA-128 Incubated Shaker



///Introduction

CA-128(ABC) stackable shakers are designed with smaller size catering to requirements of less sample quantity and smaller labs, controlled by PID micro-computer with high accurate temperature, with over-temperature audible and visual alarm, and various platforms for variety of flasks, beakers, culture dishes, tubes and etc. This model of shakers are widely used in industries of medical, biology, pharmaceutical, food and environment for applications of Bacterial suspensions, Hybridizations, Solubility studies, Washing procedures, General mixing, Protein expression, Staining and destaining and ect.

///Features

- 5-inch HD color touch screen with friendly UI design
- Accurate speed control due to high quality servosystem and precision bearings
- Steady oscillation, accurate controls of temperature and speed, extremely quiet working
- Drawer-type platform, easily pulled in and out for operation and accessories installation
- Integrated data record and chart function.
- USB port for data export and save
- Automatic defrosting function by refrigerating system

Product parameters

Product	Stackable Incubator Shaker		
Model	CA-128(Single)	CA-128(Double)	CA-128(Triple)
Speed (no load)	5-350rpm		
Speed accuracy	±1rpm		
Amplitude	Φ26mm		
Temperature range	4~60°C (Ambient temperature ≤ 30°C)		
Interchangeable platform size	±0.1°C		
Temperature uniformity	±0.5°C (@37°C)		
Display	LCD (Touch screen)		
Control method	PID		
Timer	0-999h59m		
Voltage	AC220±10% 50-60Hz		
Power	750W		
Interchangeable platform size	490x465 mm		
Noise	≤ 55dB		
Dimension (LxWxH)	820mmx715mmx700mm	820mmx715mmx1300mm	820mmx715mmx1900mm

Capacity of one stack:

Flask type	Capacity(Pcs of flasks)
250ml	30
500ml	18
1L	10
2L	7
3L	5
5L	4