

Laboratory Scientific Instruments



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Description

MiniB/MiniC dry bath is a handheld constant temperature metal bath controlled by microcomputer and suitable for vehicle power supply. Small size, light weight, easy to move, especially suitable for the field or in crowded experimental environment.

Features

1. Real-time temperature and time decline display.
2. Palm-size and lightweight.
3. Low voltage dc power input , built-in over-temperature protection, suitable for vehicle power.
4. Automatic fault detection and buzzer alarm function.
5. Easy replacement, cleaning and disinfection.



MiniB



MiniC

Specifications

Model	MiniB	MiniC
Temp. range	RT + 5 °C - 100 °C	0°C - 100°C
Temp. accuracy	≤ ±0.3°C	
Temp. uniformity	≤ ±0.3°C	
Display accuracy	0.1 °C	
Heating time (from 25°C to 100°C)	≤ 15min	
Cooling time (from 20°C to 0°C)	/	≤ 20min
Timing range	1sec ~ 999sec or 1min ~ 999min	
Voltage	Power adapter DC24V/2A	Power adapter DC12V/5A
Dimensions/mm	162×107×110	162×107×126
N.W/Kg	0.8	0.9

Accessories

Type	Description	Hole diameter	Hole bottom shape
A-MiniB	40x0.2ml centrifuge tube	6.1mm	cone-shape bottom
B-MiniB	24x0.5ml centrifuge tube	7.9mm	
C-MiniB	15x1.5ml centrifuge tube	10.8mm	
D-MiniB	15x2.0ml centrifuge tube	10.8mm	round-shape bottom
E-MiniB	8x12.5x12.5ml colorimeter	8mm-12.5mm	pierced-shape bottom
F-MiniB	4x15ml centrifuge tube	16.9mm	flat-shape bottom
G-MiniB	2x50ml centrifuge tube	29.28mm	



A-MiniB



B-MiniB



C-MiniB



D-MiniB



E-MiniB



F-MiniB



G-MiniB

Description

DB-10/DB-20 Dry Bath is microcomputer controlled constant temperature metal bath device, instead of traditional water bath device. Configure a variety of modules, suitable for a variety of different types of tubes.

Features

1. LCD liquid crystal display, real-time temperature and time decline display.
2. Temperature deviation calibration function.
3. Easy replacement, cleaning and disinfection.
4. Automatic fault detection and buzzer alarm function
5. Built-in over-temperature protection.
6. Programmable function, realize multi-point temperature point control, maximum setting and continuous operation of 5 temperature points and constant temperature time.

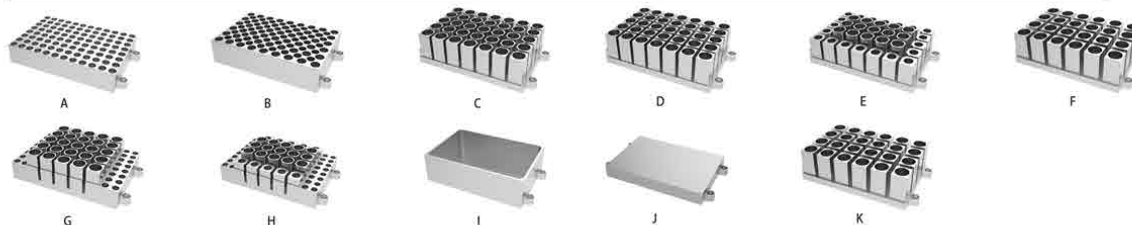


Specifications

Model	DB-10	DB-20
Temp. range	RT + 5 °C - 100 °C	-10°C-100°C
Temp. accuracy	≤±0.3°C	
Temp. uniformity	≤±0.3°C	
Display accuracy	0.1°C	
Heating time (from 25°C to 100°C)	≤12min	
Cooling time (@RT 25°C)	/	≤15min (from 20°C to -5°C) ≤20min (from 20°C to -10°C)
Timing range	1min-99h59min	
Voltage	AC220/AC110V,50/60HZ,150W	
Dimensions/mm	300 x 220 x 170	
N.W/Kg	3.3	4.5

Accessories

Type	Description	Hole bottom shape
A	96x0.2ml standard plate	cone-shape bottom
B	54x0.5ml centrifuge tube	
C	35x1.5ml centrifuge tube	
D	35x2.0ml centrifuge tube	round-shape bottom
E	20x0.5ml+15x1.5ml centrifuge tube	cone-shape bottom
F	24xdiameter ≤Φ12mm test tube	flat-shape bottom
G	32x0.2ml+25x1.5ml centrifuge tube	cone-shape bottom
H	32x0.2ml+10x0.5ml+15x1.5ml	
I	103x67x30mm square groove module (water bath)	flat-shape bottom
J	96x0.2ml microplate (elisa plate)	
K	24x5ml	
L	12x15ml	
M	6x50ml	



Description

D200 series Dry Bath Incubator is a leading multi-functional metal bath products, accurate temperature control, high quality design, beautiful and generous. Widely used in cultivating, preservation and reaction of samples, throughout the pharmaceutical, chemical, food safety, quality, environment, etc.

Features

1. Accurate temperature control, fast and safe heating .
2. Diversified modules and customizable.
3. Built-in temperature deviation calibration function, automatic fault detection and alarm function.
4. Built-in over-temperature protection, more safe and reliable.
5. Temperature range: RT +5°C~105°C temperature deviation calibration function, fast temperature rise.



DB200-1



DB200-2



DB200-4



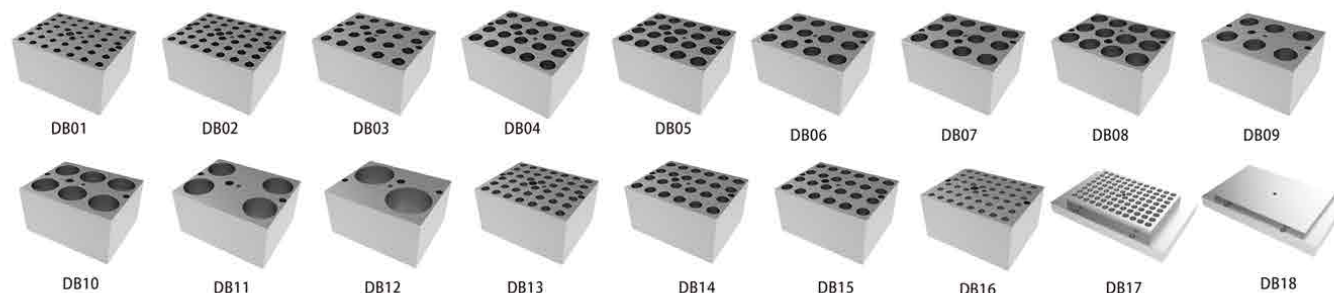
DB200-1A

Specifications

Model	DB200-1	DB200-2	DB200-4	DB200-1A
Temp. range	RT +5°C-150°C			
Temp. accuracy @ 40°C	≤±0.3°C			
Temp. accuracy @100°C	≤±0.5°C			
Temp uniformity @40°C	≤±0.3°C			
Temp uniformity @ 100°C	≤±0.5°C			
Heating time (from 25°C to 100°C)	≤10min			
Display accuracy	0.1°C			
Timing range	1min-99h59min			
Standard module number	1	2	4	1
Voltage	AC220/110V,200W	AC220/110V,400W	AC220/110V,600W	AC220/110V,400W
Dimensions/mm	218 x 240 x 95	218 x 260 x 95	218 x 340 x 95	218 x 260 x 95
N.W/Kg	3.3	4.3	5.7	4.3

Accessories

Type	Description	Hole diameter	Hole bottom shape	Type	Description	Hole diameter	Hole bottom shape
DB01	42x6mm	6.5mm	round-shape bottom	DB11	4x28mm	28.5mm	flat-shape bottom
DB02	42x7mm	7.5mm		DB12	2x40mm	40.5mm	round-shape bottom
DB03	20x10mm	10.5mm		DB13	42x0.5ml	8.0mm	cone-shape bottom
DB04	20x12mm	12.5mm		DB14	24x1.5ml	10.8mm	
DB05	20x13mm	13.5mm		DB15	24x2.0ml	10.8mm	round-shape bottom
DB06	12x15mm	15.5mm		DB16	48x0.2ml	6.1mm	cone-shape bottom
DB07	12x16mm	16.5mm		DB17	96x0.2ml	6.7mm	
DB08	12x19mm	19.5mm		DB18	elisa plate	/	flat-shape bottom
DB09	6x20mm	20.5mm					
DB10	6x26mm	26.5mm					



Description

IS-100/ISC-100 Incubator Shaker is a product with mixing, oscillation, incubation heating and cooling functions, and brushless DC motor and microcomputer controlled technique. It can not only mix all kinds of microtubes, PCR plates, deep hole plates, microhole plates and other commonly used laboratory consumable materials, but also has the function of heating, incubation



Features

1. LCD display, with power failure recovery function.
2. Built-in temperature calibration function and short oscillation inching function.
3. Timing function, set culture time within 0-100 hours.
4. Assorted modules, easy replacement
5. Microprocessor control, programmable function, accurate oscillation speed and excellent mixing technology.
6. Brushless DC Motor, long service life, maintenance-free

Three methods of mixing and incubation:

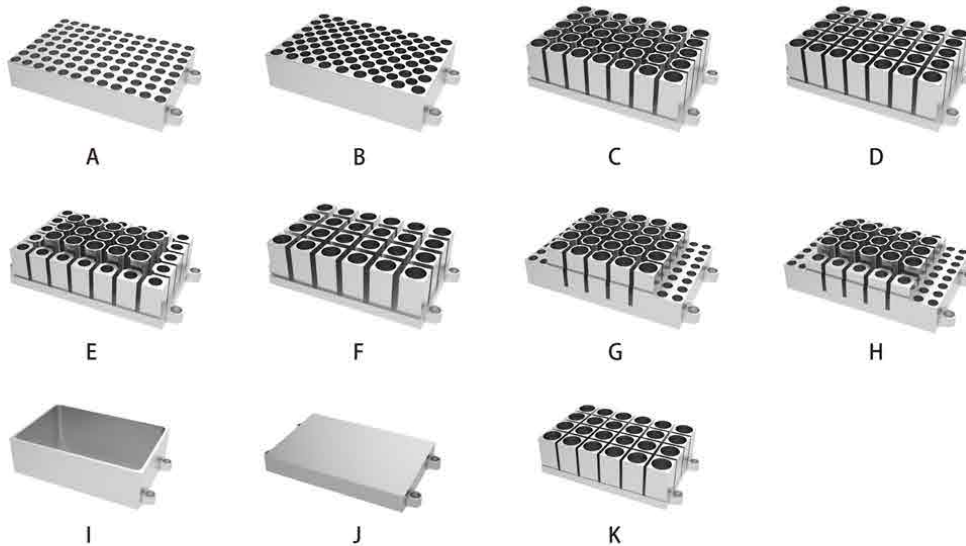
1. Suitable for oscillation mixing of micro centrifuge tube (0.2/0.5/1.5/2.0ml centrifuge tube support).
2. Suitable for constant temperature mixing of various conventional laboratory workplates (96/384 well PCR plate, 96-well deep hole plate, elisa plate, MTP microplate).
3. Suitable for constant temperature mix and oscillate various conventional laboratory centrifuge tubes and test tubes.

Specifications

Model	IS-100	ISC-100
Speed range	200-1500rpm	
Orbit	3mm(horizontal rotary)	
Temp. range	RT +5°C-100°C	0°C-100°C (ambient temp. ≤20°C)
		4°C-100°C (ambient temp. ≤25°C)
		10°C-100°C (ambient temp. ≤30°C)
Temp .accuracy	≤±0.3°C	
Temp uniformity	≤±0.3°C	
Display accuracy	0.1°C	
Heating time (from 25°C to 100°C)	≤15min	
Cooling time	/	≤20min (from RT to 20°C)
		≤10min (from 100°C to 20°C)
Timing range	1min-99h59min	
Voltage	AC220/AC110V,50/60HZ,150W	AC220/AC110V,50/60HZ,150W
Dimensions(L×W×H)/mm	300 x 220 x 170	300 x 220 x 170
N.W/Kg	8.6	8.8

Accessories

Type	Description	Hole diameter	Hole bottom shape
A	96x0.2ml standard plate	6.7mm	cone-shape bottom
B	54x0.5ml centrifuge tube	7.9mm	
C	35x1.5ml centrifuge tube	10.8mm	
D	35x2.0ml centrifuge tube	10.8mm	round-shape bottom
E	20x0.5ml+15x1.5ml centrifuge tube	7.9/10.8mm	cone-shape bottom
F	24xdiameter ≤ Φ12mm test tube	12mm	flat-shape bottom
G	32x0.2ml+25x1.5ml centrifuge tube	6.1mm/10.8mm	cone-shape bottom
H	32x0.2ml+10x0.5ml+15x1.5ml	6.1mm/7.9mm/10.8mm	
I	103x67x30mm square groove module (water bath)	67x103x30mm	flat-shape bottom
J	96x0.2ml microplate(elisa plate)	69x107x12mm	
K	24x5ml	13.5mm	
L	12x15ml	16.9mm	
M	6x50ml	29.5mm	



Centrifuge tube support	Description
MIX-A	96x0.2ml
MIX-B	24x0.5ml
MIX-C	24x1.5ml/2.0ml



Description

DB100-2A/DB100-4A Microplate Incubator is a kind of microprocessor controlled and PID controlled incubator. It is mainly used for incubating microplate and elisa plate at constant temperature.

Features

1. LCD display, display setting and actual temperature and time at the same time.
2. Heat up and down the microporous plate at the same time, more evenly
3. Put in 1-4 standard elisa plate and microplate, buzzer alarm after the program finished.
4. Power failure recovery function, instrument will be resume to run when power recovers from outage.
5. Control time and temperature by microprocessor, small fluctuation.



DB100-2A

DB100-4A

Specifications

Model	DB100-2A	DB100-4A
Temp.range	RT +5°C-70°C	
Temp .accuracy	≤±0.3°C	
Temp uniformity	≤±0.3°C	
Display accuracy	0.1°C	
Heating time (from 25°C to 70°C)	≤20min	
Timing range	1min-99h59min	
Capacity	2 pcs standard microplate	4 pcs stangard microplate
Voltage	AC100-230V,50-60HZ,120W	AC100-230V,50-60HZ,120W
Dimensions/mm	270 x 300 x 158	325x 360 x 180
N.W/Kg	6.3	8.5

Description

MIX100-4 Microplate Shaker is a type of shaker with brushless DC motor, mainly used for mixed oscillation of elisa plates (96/384 wells), deep well plates and tissue culture plates (24/48/96 wells.etc).

Features

- 1.LED display time and oscillation speed,easy operation.
- 2.Brushless DC motor,gentle or strong oscillation, small fluctuation, noiseless.
- 3.Amplitude and mode of oscillation: 3mm (horizontal rotation).
- 4.Maximum place 4 standard microplates,multiple experiments were conducted simultaneously.
- 5.Spring fixing frame, easy to quickly install microplates.



Specifications

Model	MIX100-4
Shaking speed range	200-1500 rpm standard microplates
	200-1000 rpm deep well plates or centrifuge tube support
Orbit	3mm
Speed accuracy	10rpm
Timing range	1min-99h59min
Capacity	4 pcs standard microplates or culture plates
Voltage	AC 100V~230V, 50-60HZ,60W
Dimensions/mm	300 x270 x 125
N.W/Kg	5.5

Accessories

Type (optional)	Description
tube support	20 x 1.5ml
tube support	20 x 0.5ml

Description

IS100-2A/IS100-4A Microplates Shaker is a kind of microprocessor controlled and PID controlled shaker .It is mainly used for incubating microplate and elisa plate at constant temperature.

Features

- 1.LCD display, display setting and actual temperature and time at the same time.
2. Heat up and down the microporous plate at the same time, more evenly
- 3.Put in 1-4 standard elisa plate and microplate ,buzzer alarm after the program finished.
- 4.Power failure recovery function, instrument will be resume to run when power recovers from outage.
5. Brushless DC Motor,long service life,maintenance-free,noiseless.



IS100-2A

IS100-4A

Specifications

Model	IS100-2A	IS100-4A
Shaking speed range	100-1200rpm	100-1500rpm
Orbit	2mm	
Temp.range	RT +5℃-70℃	
Temp .accuracy	≤±0.3℃	
Temp uniformity	≤±0.3℃	
Display accuracy	0.1℃	
Heating time (from 20℃ to 70℃)	≤20min	
Timing range	1min-99h59min	
Capacity	2 pcs standard microplate	4 pcs stangard microplate
Voltage	AC100-230V,50-60HZ,120W	AC100-230V,50-60HZ,120W
Dimensions/mm	270 x 300 x 158	325x 360 x 180
N.W/Kg	6.3	8.5

Description

STV-100 Multi-Tube Vortex Mixer is with brushless DC motor to drive oscillation, which can process 50 samples at once. Various accessories can be selected to meet the mixing needs of different specifications of test tube. Widely used in radioimmunoassay and other experiments requiring mixed operation, and common equipment of biochemistry, chemistry laboratory, hospital.

Features

1. LED display time and oscillation speed, simple operation.
2. Brushless DC motor, gentle or strong oscillation, small fluctuation, noiseless.
3. Humanized program design, inching, continuous, or timed oscillation mode.
4. Maximum process 50 samples at the same time to make the experiment more efficient.
5. Optional with various foam brackets.



Specifications

Model	STV-100
Speed range	500-2500rpm
Orbit	4mm
Speed accuracy	10rpm
Maximum load	5Kg
Timing range	1min-99h59min
Voltage	AC100-230V,100W
Dimensions/mm	240x 420 x 430
N.W/Kg	14

Accessories

Type	Description	Dimension/mm
STV-B01	50 x Φ 10mm sponge tube support	245x132x45
STV-B02	50 x Φ 12mm sponge tube support	
STV-B03	50 x Φ 13mm sponge tube support	
STV-B04	50 x Φ 16mm Sponge tube support(15ml centrifuge tube)	
STV-B05	15 x Φ 25mm sponge tube support	
STV-B06	15 x Φ 29mm sponge tube support(50ml centrifuge tube)	
STV-B00	replaceable pallet pad	305x178.5x25



STV-B01



STV-B02



STV-B03



STV-B04



STV-B05



STV-B06

Description

OS-10/OS-20 Orbital Shaker is with brushless DC motor and microcomputer controlled technique, with various functions. It can be applicable in different laboratories: biotechnology, microbiology and medicine analysis, etc.

Features

1. Used in various mixed work in different fields.
2. Speed 50—350rpm.
3. Orbital diameter 10mm(horizontal rotation)
4. Timing function, set culture time within 1min-100h.
5. Maximum load: 3kg
6. Brushless DC Motor, long service life, maintenance-free
7. Placed in the freezer to use.
8. Various trays are available, for different mixing work.



Specifications

Model	OS-10	OS-20
Speed range	50-350rpm	50-300rpm
Orbit	10mm	20mm
Timing range	1min-99h59min	1min-99h59min
Maximum load	3Kg	2.5Kg
Voltage	AC 100V~230V,50-60HZ,60W	AC 100V~230V,50-60HZ,60W
Dimensions/mm	300 x 270 x 125	300 x 270 x 125
N.W/Kg	5.5	5.5

Accessories

Tray number	Description
P-1	P-1 universal platform ,with non-slip rubber pad, for various containers
P-2	P12-100 Platform with clamps for 12x100/150ml conical flask
P-3	P6-250 Platform with clamps for 6x250/300ml conical flask
P-4	UP-1 adjustable flask holder,with non-slip rubber pad,for cell culture flask
P-5	MP-1 universal clamp, for centrifuge tubes and conical flask



P-1



P12-100



P6-250



UP-1



MP-1

Description

Mini-centrifuge series are equipped with two kinds of centrifuge rotor and various tube sleeve, suitable for 2.0/ 1.5/0.5/ 0.2ml centrifuge tube and PCR 8 row of centrifuge tube. With flip type switch function, easy to use.

Features

1. Small volume, rotor replaceable
2. With flip type switch function, easy to use, faster experiment.
3. Suitable for 2.0/ 1.5/0.5/ 0.2ml centrifuge tube and PCR 8 row of centrifuge tube.



Specifications

Model	Mini-6K	Mini-7K	Mini-10K
Speed range	6000rpm	7000rpm	10000rpm
Max(RCF)	2000 × g	2600 × g	5300 × g
Rotor	8 x 1.5/2.0ml angular rotor 2 x 8x0.2ml row rotor	8 x 1.5/2.0ml angular rotor 2 x 8x0.2ml row rotor	8 x 1.5/2.0ml angular rotor
Voltage	AC100V-230V,30W	AC100V-230V,30W	AC100V-230V,40W
Dimensions/mm	147X188X120	147X188X120	147X188X120
N.W/Kg	1.3	1.3	1.3

Description

Mini-centrifuge series are equipped with two kinds of centrifuge rotor and various tube sleeve, suitable for 2.0/ 1.5/0.5/ 0.2ml centrifuge tube and PCR 8 row of centrifuge tube. With flip type switch function, easy to use.

Features

Mini-centrifuge series are equipped with two kinds of centrifuge rotor and various tube sleeve, suitable for 2.0/ 1.5/0.5/ 0.2ml centrifuge tube and PCR 8 row of centrifuge tube. With flip type switch function, easy to use.

Specifications

Model	Mini-2500
Speed range	500-3000rpm
Max(RCF)	600g
Capacity	2x96-well PCR/elisa plate
Timing range	1s-99s/1min-99min
Voltage	power adapter DC24V/2A
Dimensions/mm	230x195x195
N.W/Kg	2.6



Description

HM-14/HM-35 Infrared Bacti-cinerator Sterilizer, using infrared heat sterilization, safe and convenient, widely be used in biological safety cabinets, purification workbench, exhaust fan, mobile car to perform microbial experiments. Suitable for inoculation ring or needle sterilization, totally take the place of alcohol lamps, heating hole temperature can reach above 800°C, sterilization only takes 5 to 7 seconds.

Features

1. Ceramic element, its highest temperature is above 800°C, Sterilize thoroughly in 5-7 seconds
2. Sterilize with inoculating ring or needle, totally take the place of alcohol lamps.
3. Small volume, light weight, long service life.
4. Ceramic pipe deep ash organic material to prevent infectious splash and cross-infection.



Specifications

	HM-14	HM-35
Model	HM-14	HM-35
Highest temperature at core	825°C±50°C	
Heating time	≤20min	
Largest diameter of item to be	Φ14	Φ35
Length of heating area	150mm	100mm
Voltage	AC220V/110V,160W	AC220V/110V,160W
Dimensions/mm	90x160x195	90x140x225
N.W/Kg	1.3	1.5

Description

SC200 series is mainly used for concentration or preparation of large quantities samples (such as preparation of drug screening, hormone analysis, liquid phase, mass spectrometry samples). Working principle: the nitrogen into the heated surface of the sample and make the solvent evaporate and separated rapidly, thereby reaching the sample concentration without oxygen, keep the sample purer. Nitrogen concentrator instrument can concentrate dozens of samples simultaneously, saving time and high efficient, instead of rotary evaporation instrument. Instead of rotary evaporation instrument, sample concentrator instrument can concentrate dozens of samples simultaneously, saving time and high efficient.

Features

1. High precision, heat fastly and safely.
2. Various modules can be selected, or customized modules.
3. Amount of airflow can be adjusted. Blowing each sample independently, or blowing multiple samples.
4. Built-in over-temperature protection device, safe and reliable, long service life.
5. LED display, temperature synchronous display, time decline display, easy to operate.

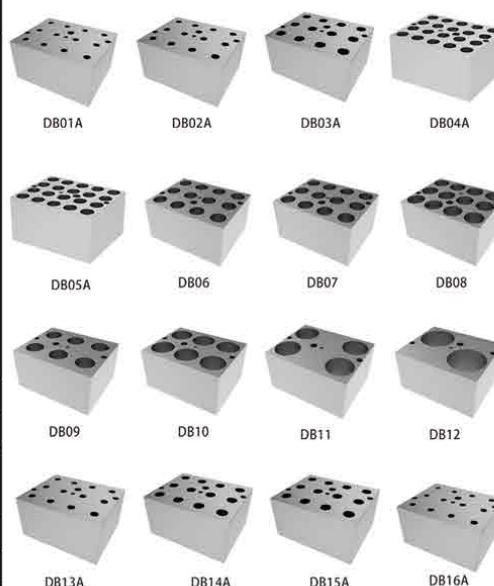
Specifications

Model	SC200-1	SC200-2
Temp range	RT +5°C-150°C	
Temp accuracy	≤±0.3°C (@40°C)	
Temp accuracy	≤±0.5°C (@100°C)	
Temp uniformity	≤±0.3°C (@40°C)	
Temp uniformity	≤±0.5°C (@100°C)	
Heating time (from 40°C to 150°C)	≤30min	
Display accuracy	0.1°C	
Time range	1min-99h59min	
Gas pressure	≤0.1MPa	
Gas usage	0~15L/min	
Vertical travel	150mm	
Block qty	1	2
Voltage	AC220/110V,200W	AC220/110V,400W
Dimensions/mm	218 x 240 x 520	218 x 260 x 520
N.W/Kg	5.1	6.1



Accessories

Module NO	Description	Tube diameter	Hole bottom shape
DB01A	12x6mm	6.5mm	round-shape bottom
DB02A	12x7mm	7.5mm	
DB03A	12x10mm	10.5mm	
DB04A	12x12mm	12.5mm	
DB05A	12x13mm	13.5mm	
DB06	12x15mm	15.5mm	
DB07	12x16mm	16.5mm	
DB08	12x19mm	19.5mm	
DB09	6x20mm	20.5mm	
DB10	6x26mm	26.5mm	flat-shape bottom
DB11	4x28mm	28.5mm	round-shape bottom
DB12	2x40mm	40.5mm	cone-shape bottom
DB13A	12x0.5ml	8.0mm	
DB14A	12x1.5ml	10.8mm	round-shape bottom
DB15A	12x2.0ml	10.8mm	round-shape bottom
DB16A	12x0.2ml	6.1mm	cone-shape bottom



Description

SC200-1B is mainly used for concentration or preparation of large quantities samples (such as preparation of drug screening, hormone analysis, liquid phase, mass spectrometry samples).

Working principle: the nitrogen into the heated surface of the sample and make the solvent evaporate and separated rapidly, thereby reaching the sample concentration without oxygen, keep the sample purer. Nitrogen concentrator instrument can concentrate dozens of samples simultaneously, saving time and high efficient, instead of rotary evaporation instrument. Instead of rotary evaporation instrument, sample concentrator instrument can concentrate dozens of samples simultaneously, saving time and high efficient.

Features

1. High precision, heat fastly and safely.
2. Various modules can be selected, or customized modules.
3. Amount of airflow can be adjusted. Blowing each sample independently, or blowing multiple samples.
4. Built-in over-temperature protection device, safe and reliable, long service life.
5. LED display, temperature synchronous display, time decline display, easy to operate.

Specifications

Model	SC200-1B
Temp range	RT +5°C-150°C
Temp accuracy	≤±0.3°C (@40°C)
Temp accuracy	≤±0.5°C (@100°C)
Temp uniformity	≤±0.3°C (@40°C)
Temp uniformity	≤±0.5°C (@100°C)
Heating time (from 40°C to 150°C)	≤30min
Display accuracy	0.1°C
Block qty	1
Time range	1min-99h59min
Gas pressure	≤0.1MPa
Gas usage	0~15L/min
Vertical travel	150mm
Voltage	AC220/110V, 400W
Dimensions/mm	218 x 240 x 520
N.W/Kg	6



Accessories

Module NO	Description	Tube diameter	Hole bottom shape
DB01B	12x10mm	10.5mm	round-shape bottom
DB02B	12x12mm	12.5mm	
DB03B	12x13mm	13.5mm	
DB04B	12x15mm	15.5mm	
DB05B	12x16mm	16.5mm	
DB06B	12x19mm	19.5mm	
DB07B	12x20mm	20.5mm	



DB01B



DB02B



DB03B



DB04B



DB05B



DB06B



DB07B