JoJo Life Science

upgrade
5L Efficient Erlenmeyer Flask (with tube)

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Inkubationsschüttler

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401L Stackable Incubator Shakers – RDS6 Series

RDS6 series, a line of large incubator shakers up to 1 meter in size.
Triple Eccentric Drive system: more stable, and more reliable.

- Large capacity, 401 liter.
- Stackable up to 3 units.
- ±0.5℃ Temp uniformity.
- Triple Eccentric Drive.
- 10'' Large LCD color display control panel.

◆ Specifications

Model	IS-RDS6	IS-RDS6T	IS-RDS6C	IS-RDS6C5	IS-RDS6C5T
Product Name	Stackable Incubator Shaker (401L, Touch Screen)	Stackable Incubator Shaker (401L, Upward Door, Touch Screen)	Stackable Incubator Shaker with CO_2 Controller (401L, Touch Screen)	Stackable Incubator Shaker with CO_2 Controller and Shake Diameter 50mm (401L, Touch Screen)	Stackable Incubator Shaker with CO_2 Controller and Shake Diameter 50mm (401L, Upward Door, Touch Screen)
Platform Dimensions	900x560mm				
Max. Capacity	Clamp Capacity: 50mlx135 / 100mlx60 / 150mlx60 / 200mlx60 / 250mlx60 / 500mlx38 / 1000mlx24 / 2000mlx15 / 3000mlx12 Sticky Mat: 50mlx187 / 100mlx112 / 150mlx104 / 200mlx84 / 250mlx77 / 500mlx40 / 1000mlx28 / 2000mlx15 / 3000mlx15 / 5000ml(Thomson)x8				
Capacity	401L				
Max. Load	20kg				
Temp. Range	Room Temp. Minus 18℃~60℃（Lowest Temp. is 4℃）				
Temp. Accuracy	±0.1℃				
Temp. Uniformity	±0.5℃（@37℃）				
Speed	0 (Stop), 30~300rpm				
Speed Accuracy	±1rpm				
Orbit Diameter	φ26mm		φ50mm		
CO_2 Sensor	NA		IR		
CO_2 Control Range	NA		0~20%		
CO_2 Control Accuracy	NA		±0.1%		
Recover Time after Open Door 30s on Temp.	≤6min (@37℃)				
Recover Time after Open Door 30s on Co_2	NA		≤6min (@5%)		
Humidity Type	NA		Evapor Naturally		
Max. Humidity	NA		95%		
Programing Numbers	12 Sections				
Illumination	Both of Side Lamps				
Disinfection	Both of Side UV Lamps				

Model	IS-RDS6	IS-RDS6T	IS-RDS6C	IS-RDS6C5	IS-RDS6C5T
Door Open Direction	Downward	Upward	Downward	Downward	Upward
Protect Set Parameters	Passwords Protect				
Data Curve Display	Temp. Curve,Speed Curve		Temp. Curve, Speed Curve, CO_2 Curve，RH Curve		
Display	10'' Color Capacitance Touch Screen				
Timer	0~999h59min				
USB Export Data	Yes				
Data Display on Interface	In 7 days				
Operating Data Storage Cycle	More than 912 days				
Operating Data Storage Interval	1min				
Data Storage Content	Time, Temp, Speed, Machine Status		Time, Temp, Speed, CO_2, RH, Machine Status		
Auto-Defrost	Yes				
Auto-close Screen	Yes				
Auto-lock	Yes				
Third Platform Height	1496mm				
Platform with Rails	Yes				
Noise Level	≤55dB (In Refrigerating)				
Water Sparge Resistant	Yes				
Interface Languages	Chinese or English				
Auto-run after Power Recovery	Yes				
Heating Power	≤850W				
Cooling Power	70~230W				
Power	≤950W		≤1000W		
Power Supply	AC 220V±22V，50Hz / 60Hz				
RH Control	NA		10%~95% Above RH (Optional)		
Mobile Monitor and Control by WiFi	Optional				
PC Monitor and Control by RS485	Optional				
Window Shade	Optional				
Net Weight	315kg	325kg	315kg	320kg	330kg
Operation Chamber Dimension	335mm				
Outside Dimensions	1400x886x (600+80 feet high)mm	1400x886x (648+80 feet high)mm	1400x886x (600+80 feet high)mm		1400x886x (648+80 feet high)mm

381L Stackable Incubator Shakers with White Light – IS–6L Series

- **IS-6L Series Incubator Shakers, with white light, 381L capacity.**
- **Light intensity resolution: 100Lux.**
  Light strength up to 20000Lux.
- **Stackable up to 3 units.**
- **Triple Eccentric Drive.**
- **10" Large LCD color display control panel.**

◆ Specifications

Model	IS-6L	IS-6LT	IS-6CL
Product Name	Stackable Incubator Shaker (381L, White Light, Touch Screen)	Stackable Incubator Shaker (381L, White Light, Upward Door, Touch Screen)	Stackable Incubator Shaker with CO_2 Controller (381L, White Light, Touch Screen)
Platform Dimensions	900x560mm		
Max. Capacity	Clamp Capacity: 50mlx135 / 100mlx60 / 150mlx60 / 200mlx60 / 250mlx60 / 500mlx38 / 1000mlx24 / 2000mlx15 Sticky Mat: 50mlx187 / 100mlx112 / 150mlx104 / 200mlx84 / 250mlx77 / 500mlx40 / 1000mlx28 / 2000mlx15 / 5000ml(Thomson)x8		
Capacity	381L		
Max. Load	20kg		
Temp. Range	Max. Light Room Temp. Minus 10℃~60℃ (Lowest Temp. is 4℃)		
Temp. Accuracy	±0.1℃		
Temp. Uniformity	±0.8℃ (@37℃)		
Speed	0 (Stop), 30~300rpm		
Speed Accuracy	±1rpm		
Orbit Diameter	φ26mm		
CO_2 Sensor	NA		IR
CO_2 Control Range	NA		0~20%
CO_2 Control Accuracy	NA		±0.1%
Recover Time after Open Door 30s on Temp.	≤6min (@37℃)		
Recover Time after Open Door 30s on CO_2	NA		≤6min (@5%)
Humidity Type	NA		Evapor Naturally
Max. Humidity	NA		95%
Programing Numbers	12 Sections		
Light Strengh	0~20000Lux (Up to the platform 10cm)		
Light Strengh Step	100Lux		
Light Color	White Light 6500K		
Light Wavelength	440~450nm		
Light Strengh Uniformity	±2000Lux (@20000Lux)		
Disinfection	Both of Side UV Lamps		
Door Open Direction	Downward	Upward	Downward
Protect Set Parameters	Passwords Protect		

Model	IS-6L	IS-6LT	IS-6CL
Program on Light, Temp. and Speed	Yes		
Cycle Operation in Temp. and Light	Yes		
Data Curve Display	Temp. Curve, Speed Curve, Light Strengh Curve		Temp. Curve, Speed Curve, CO_2 Curve, RH Curve, Light Strengh Curve
Display	10'' Color Capacitance Touch Screen		
Timer	0~999h59min		
USB Export Data	Yes		
Data Display on Interface	In 7 days		
Operating Data Storage Cycle	More than 912 days		
Operating Data Storage Interval	1min		
Data Storage Content	Time, Temp, Speed, Machine Status, Light Strengh		Time, Temp, Speed, RH, Machine Status, Light Strengh
Auto-Defrost	Yes		
Auto-close Screen	Yes		
Auto-lock	Yes		
Third Platform Height	1496mm		
Platform with Rails	Yes		
Noise Level	≤55dB (In Refrigerating)		
Water Sparge Resistant	Yes		
Interface Languages	Chinese or English		
Auto-run after Power Recovery	Yes		
Moto Type	Bruchless DC Motor		
Heating Power	≤850W		
Cooling Power	70~230W		
Power	≤1200W		≤1250W
Power Supply	AC 220V±22V，50Hz / 60Hz		
RH Control	NA		10%~95% Above RH (Optional)
Mobile Monitor and Control by WiFi	Optional		
PC Monitor and Control by RS485	Optional		
Net Weight	318kg	328kg	318kg
Operation Chamber Dimension	305mm		
Outside Dimensions	1400x886x (600+80 feet high)mm		

250L Stackable Incubator Shakers – IS–4 Series

- IS-4 Series Incubator Shakers.
- Smaller size with better temperature uniformity, ±0.3℃.
- Stackable up to 3 units.
- Triple Eccentric Drive.
- 10'' Large LCD color display control panel.

◆ Specifications

Model	IS-4	IS-4T	IS-4C	IS-4C5	IS-4C5T
Product Name	Stackable Incubator Shaker (250L, Touch Screen)	Stackable Incubator Shaker (250L, Upward Door, Touch Screen)	Stackable Incubator Shaker with CO_2 Controller (250L, Touch Screen)	Stackable Incubator Shaker with CO_2 Controller and Shake Diameter 50mm 250L, Touch Screen)	Stackable Incubator Shaker with CO_2 Controller and Shake Diameter 50mm (250L, Upward Door, Touch Screen)
Platform Dimensions	770x470mm				
Max. Capacity	Clamp Capacity: 50mlx104 / 100mlx45 / 150mlx45 / 200mlx45 / 250mlx40 / 500mlx25 / 1000mlx15 / 2000mlx12 / 5000ml (Thomson)x6 Sticky Mat: 50mlx112 / 100mlx72 / 150mlx60 / 200mlx45 / 250mlx40 / 500mlx28 / 1000mlx15 / 2000mlx12 / 5000ml (Thomson)x6				
Capacity	250L				
Max. Load	20kg				
Temp. Range	Room Temp. Minus 18℃~60℃ (Lowest Temp. is 4℃)				
Temp. Accuracy	±0.1℃				
Temp. Uniformity	±0.3℃ (@37℃)				
Speed	0 (Stop), 30~300rpm				
Speed Accuracy	±1rpm				
Orbit Diameter	φ26mm		φ50mm		
CO_2 Sensor	NA		IR		
CO_2 Control Range	NA		0~20%		
CO_2 Control Accuracy	NA		±0.1%		
Recover Time after Open Door 30s on Temp.	NA		≤6min (@37℃)		
Recover Time after Open Door 30s on Co2	NA		≤6min (@5%)		
Humidity Type	NA		Evapor Naturally		
Max. Humidity	NA		95%		
Programing Numbers	12 Sections				
Illumination	Both of Side Lamps				
Disinfection	Both of Side UV Lamps				
Door Open Direction	Downward	Upward	Downward	Downward	Upward
Protect Set Parameters	Passwords Protect				

Model	IS-4	IS-4T	IS-4C	IS-4C5	IS-4C5T
Data Curve Display	Temp. Curve, Speed Curve		Temp. Curve, Speed Curve, CO_2 Curve, RH Curve		
Display	10'' Color Capacitance Touch Screen				
Timer	0~999h59min				
USB Export Data	Yes				
Data Display on Interface	In 7 days				
Operating Data Storage Cycle	More than 912 days				
Operating Data Storage Interval	1min				
Data Storage Content	Time, Temp, Speed, Machine Status		Time, Temp, Speed, RH, CO_2, Machine Status		
Auto-Defrost	Yes				
Auto-close Screen	Yes				
Auto-lock	Yes				
Third Platform Height	1345mm				
Platform with Rails	Yes				
Noise Level	≤55dB (In Refrigerating)				
Water Sparge Resistant	Yes				
Interface Languages	Chinese or English				
Auto-run after Power Recovery	Yes				
Heating Power	≤850W				
Cooling Power	70~230W				
Power	≤950W		≤1000W		
Power Supply	AC 220V±22V, 50Hz / 60Hz				
RH Control	NA		10%~95% Above RH (Optional)		
Mobile Monitor and Control by WiFi	Optional				
PC Monitor and Control by RS485	Optional				
Net Weight	255kg	265kg	255kg	260kg	270kg
Operation Chamber Dimension	305mm				
Outside Dimensions	1240x785x(535+80 feet high)mm	1240x785x(580+80 feet high)mm	1240x785x(535+80 feet high)mm		1240x785x(580+80 feet high)mm

190L Stackable Incubator Shakers with Magnetic Drive – IS–AM Series

- Incubator Shakers with Magnetic Drive.
- Magnetic Drive motor: more reliable, low maintenance.
- Stackable up to 3 units.
- Triple Eccentric Drive.
- 7'' Large LCD color display control panel.

◆ Specifications

Model	IS-AM	IS-ACM	IS-A5CM
Product Name	Stackable Incubator Shaker with Magnetic Drive (190L, Touch Screen)	Stackable Incubator Shaker with Magnetic Drive and CO_2 Controller (190L, Touch Screen)	Stackable Incubator Shaker with Magnetic Drive and CO_2 Controller and Diameter 50mm (190L, Touch Screen)
Platform Dimensions	550x470mm		
Max. Capacity	Clamp Capacity: 50mlx72 / 100mlx30 / 150mlx30 / 200mlx30 / 250mlx30 / 500mlx16 / 1000mlx12 / 2000mlx6 / 5000ml (Thomson)x4 Sticky Mat: 50mlx80 / 100mlx56 / 150mlx42 / 200mlx30 / 250mlx30 / 500mlx20 / 1000mlx12 / 2000mlx8 / 5000ml (Thomson)x4		
Capacity	190L		
Max. Load	10kg		
Temp. Range	Room Temp. Minus 18℃~60℃（Lowest Temp. is 4℃）		
Temp. Accuracy	±0.1℃		
Temp. Uniformity	±0.3℃（@37℃）		
Speed	0 (Stop), 30~300rpm		
Speed Accuracy	±1rpm		
Magnetic Driver	Yes		
Orbit Diameter	φ26mm		φ50mm
CO_2 Sensor	NA	IR	
CO_2 Control Range	NA	0~20%	
CO_2 Control Accuracy	NA	±0.1%	
Recover Time after Open Door 30s on Temp.	≤6min (@37℃)		
Recover Time after Open Door 30s on CO_2	NA	≤6min (@5%)	
Humidity Type	NA	Evapor Naturally	
Max. Humidity	NA	95%	
Programing Numbers	12 Sections		
Illumination	Both of Side Lamps		
Disinfection	Both of Side UV Lamps		
Door Open Direction	Leftward		
Protect Set Parameters	Passwords Protect		

Model	IS-AM	IS-ACM	IS-A5CM
Data Curve Display	Temp. Curve, Speed Curve	Temp. Curve, Speed Curve, CO_2 Curve, RH Curve	
Display	7'' Color Capacitance Touch Screen		
Timer	0~999h59min		
USB Export Data	Yes		
Data Display on Interface	In 7 days		
Operating Data Storage Cycle	More than 912 days		
Operating Data Storage Interval	1min		
Data Storage Content	Time, Temp, Speed, Machine Status	Time, Temp, Speed, CO_2, RH, Machine Status	
Auto-Defrost	Yes		
Auto-close Screen	Yes		
Auto-lock	Yes		
Third Platform Height	1315mm		
Platform with Rails	Yes		
Noise Level	≤55dB (In Refrigerating)		
Water Sparge Resistant	Yes		
Driver Type	Magnetic Driver		
Interface Languages	Chinese or English		
Auto-run after Power Recovery	Yes		
Heating Power	≤45W		
Cooling Power	70~230W		
Power	≤730W		
Power Supply	AC 220V±22V，50Hz / 60Hz		
RH Control	NA	10%~95% Above RH (Optional)	
Mobile Monitor and Control by WiFi	Optional		
PC Monitor and Control by RS485	Optional		
Net Weight	170kg		175kg
Operation Chamber Dimension	305mm		
Outside Dimensions	970x780x(530+80 feet high)mm		

190L Stackable Incubator Shakers – IS–AX Series

- ● Three axis eccentric balance system provides stable and reliable shaking Terminal feedback system ensures precise shaking speed

- ● Brushless DC motor is highly efficient, quiet, durable, and produces negligible heat that does not affect the chamber temperature

- ● Combination of Proportional-Integral- Derivative control and Fuzzy control for temperature ensure temperature accuracy within ±0.1°C

- ● Program mode allows user to set up to 12 segments of varying temperature and speed

◆ Specifications

Model	IS-AX
Product Name	Stackable Incubator Shaker with Magnetic Drive (190L, Touch Screen)
Platform Dimensions	550x470mm
Max. Capacity	Clamp Capacity:50mlx72 / 100mlx30 / 150mlx30 / 200mlx30 / 250mlx30 / 500mlx16 / 1000mlx12 / 2000mlx6 / 5000 (Thomson)mlx4 Sticky Mat: 50mlx80 / 100mlx42 / 150mlx42 / 200mlx30 / 250mlx30 / 500mlx20 / 1000mlx12 / 2000mlx8 / 5000ml (Thomson)x4
Capacity	190L
Max. Load	10kg
Temp. Range	Room Temp. Minus 18℃~60℃（Lowest Temp. is 4℃）
Temp. Accuracy	0.1℃
Temp. Uniformity	±0.3℃（@37℃）
Speed	0 (Stop), 30~300rpm
Speed Accuracy	1rpm
Orbit Diameter	Φ26mm
Recover Time after Open Door 30s on Temp.	≤6min (@37℃)
Humidity Type	NA
Max. Humidity	NA
Programing Numbers	12 Sections
Illumination	Both of Side Lamps
Disinfection	Both of Side UV Lamps
Door Open Direction	Leftward
Protect Set Parameters	Passwords Protect

| Model	IS-AX
Data Curve Display	Temp. Curve, Speed Curve
Display	7'' Color Capacitance Touch Screen
Timer	0~999h59min
USB Export Data	Yes
Data Display on Interface	In 7 days
Operating Data Storage Cycle	More than 912 days
Operating Data Storage Interval	1min
Data Storage Content	Time, Temp, Speed, Machine Status
Auto-Defrost	Yes
Auto-close Screen	Yes
Auto-lock	Yes
Third Platform Height	1315mm
Platform with Rails	Yes
Noise Level	≤55dB
Water Sparge Resistant	Yes
Driver Type	Motor
Interface Languages	Chinese or English
Auto-run after Power Recovery	Yes
Heating Power	≤450W
Cooling Power	70~230W
Power	≤730W
Power Supply	AC 220V±22V，50Hz / 60Hz
RH Control	Optional
Mobile Monitor and Control by WiFi	Optional
PC Monitor and Control by RS485	Optional
Net Weight	170kg
Operation Chamber Dimension	305mm
Outside Dimensions	970x780x(530+80 feet high)mm

◆ Color Capacitance Touch Screen(CO₂ Incubator Shakers)

Main Interface:

1.Displays the current status.

2.Light button: Press to turn the light on or off.

3.Displays the current function's running status, orbit diameter, and any alarms.

4.Plus and minus buttons: Adjusts the corresponding value.

5.Displays the set value, and allows user to manually input the set value.

6.Run/Stop button: Runs or Stops corresponding function.

7.Edit button for programmable mode: Sets up to 12 running segments.

8.Running mode button: Switches between "easy" and "program control" mode.

9.Run/Stop all button: Runs and stops all functions.

10.Main settings button: Enters settings page (Figure 3) then to corresponding settings page where user can edit settings.

11.Function icon buttons: Displays the real-time functions.

◆ Color Capacitance Touch Screen (Incubator Shakers)
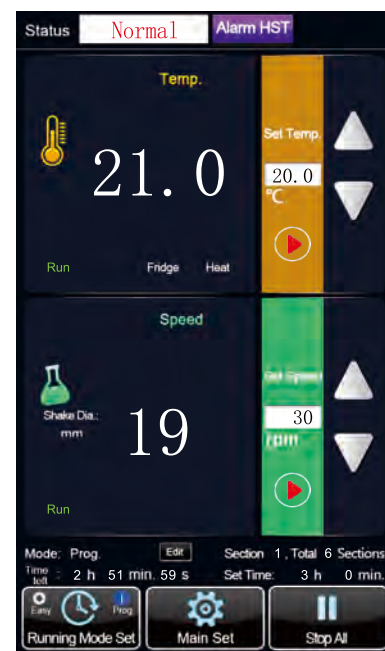
◆ Press Button Screen (Incubator Shakers)

◆ Remote Monitor & Control System & APP (Optional)
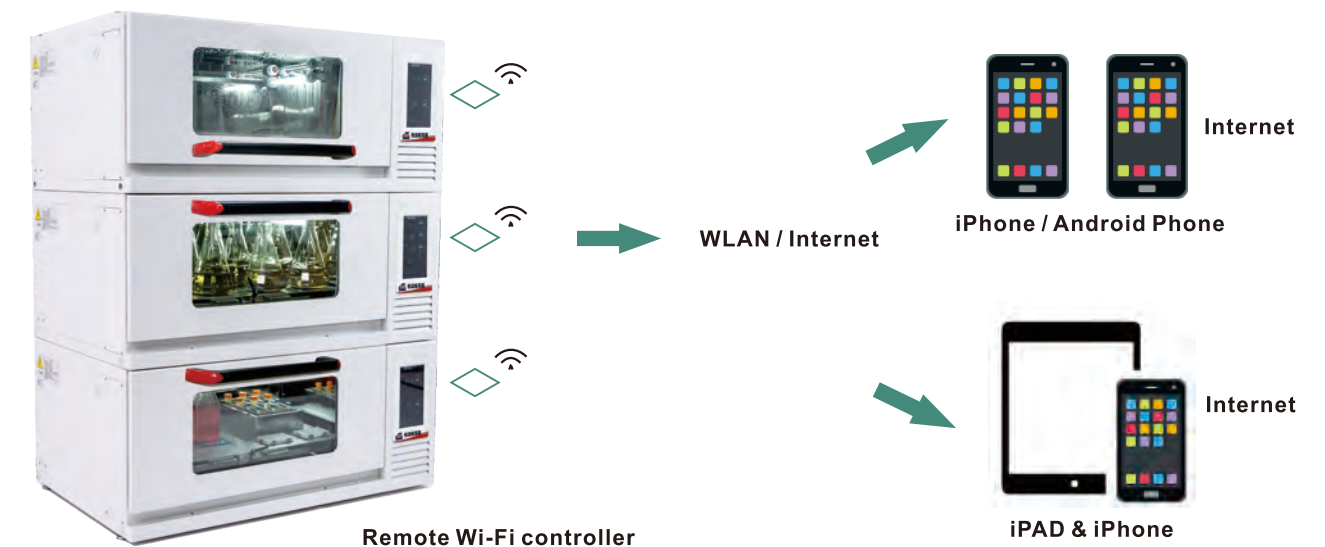
◆ Description

It is a wireless monitoring software for mobile phones used in the Internet or local area network to monitor and control the incubating shaker. All parameters of a unit can be monitored and controlled by a mobile phone, and multiple mobile phones can also monitor and control one or more machines. It is very suitable for timely monitoring of culture conditions which need higher culture environment. You can check the history data in the mobile phone, according to the culture effect of historical data, so you can optimize the latter culture parameters.

◆ Features

☐ One cell phone can monitor multiple shakers at the same time.

☐ More than two mobile phones can monitor one or more shakers at the same time.

☐ Mobile phone can monitor and control the temperature, speed, humidity, CO_2, light and other parameters of the shaker through the LAN and the Internet.

☐ Mobile phone can receive alarm information timely, and the alarm can be disposed.

☐ Mobile phone can program to the machine and let the unit run as several section programs (the maximum is 12).

☐ Mobile phone can view historical data, including temperature, speed, humidity, CO_2, light, and other historical parameters.

【 Mobile phone APP user interface】
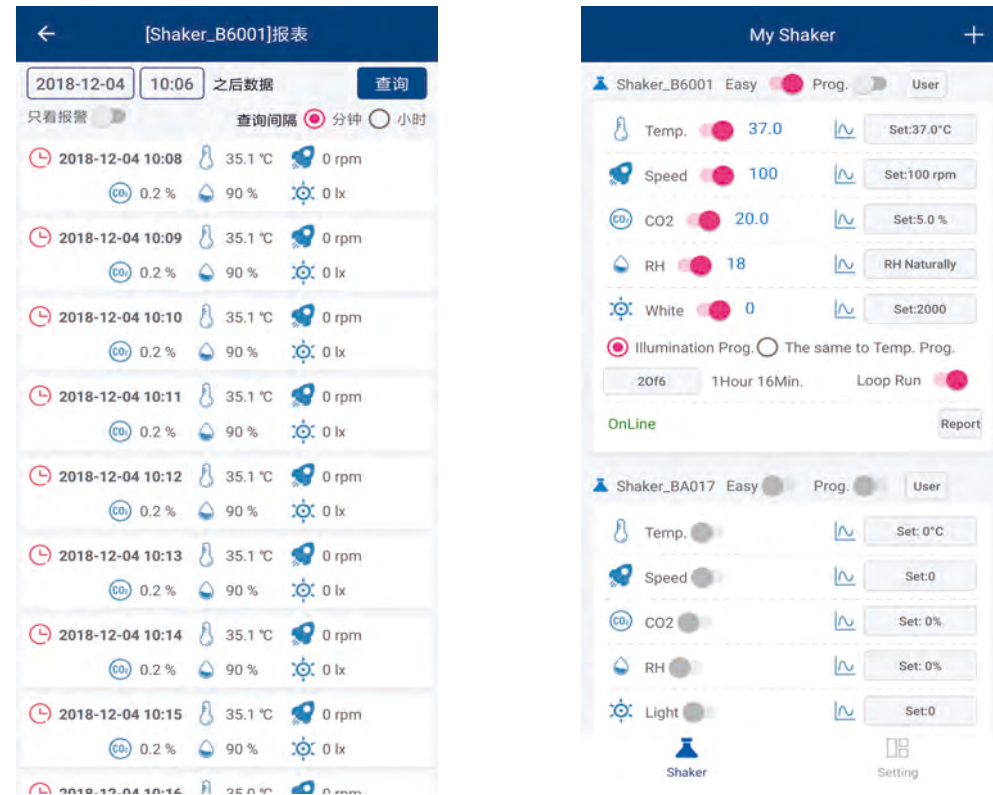
◆ WiFi monitoring Technical Data

| CPU	Four Core SoC @ 1.0GHz, 1GB LPDDR2 SDRAM
Memory	32GB
WLAN	2.4GHz IEEE 802.11 b / g / n
Connecting style	Plug-and-Play Device
Communication	USB 2.0
Smartphone Support	iOS / Android
Hierarchical User Management	Supported
Dimension (L x W x H)	210x142x210mm
Net Weight	1kg

* Please refer to page 30 for configure.

◆ Computer monitoring software for Incubator shaker (Optional)

Line

RS485 to USB

Computer

RS485
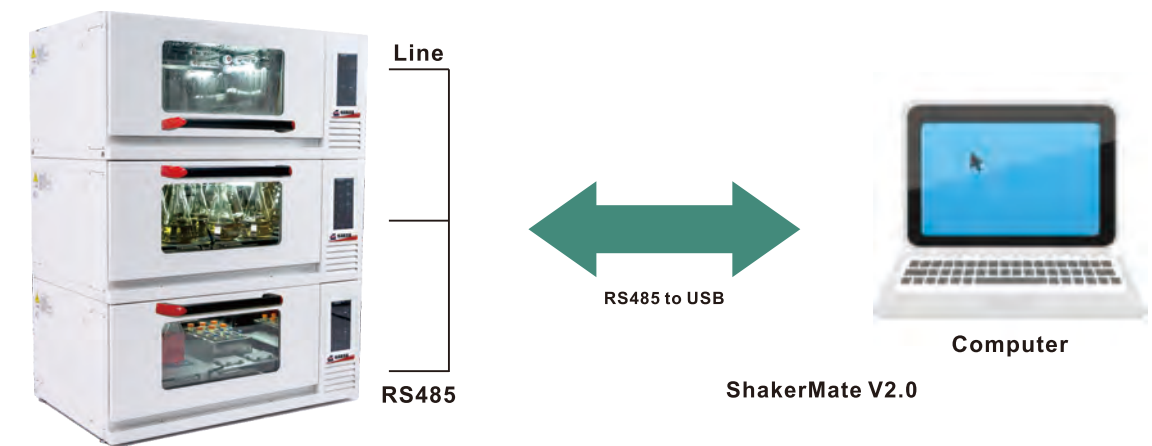
ShakerMate V2.0

◆ Description

ShakerMate is a computer software which is used for monitor and control the incubating shaker in LAN. A computer can monitor and control all the parameters of multiple machines, all settings change and related account operations on the machines could be recorded to the log file. The running data of the machine can be recorded every minute and stored in the database file, and the stored data can be exported to be a file, meet the requirements of FDA. It is very suitable for the requirement of records for both culture and operation.

◆ Features

☐ One computer can monitor and control up to 32 shakers at the same time.

☐ Arbitrary operation and machine data are recorded in log files and database files respectively, it can meet the data traceability requirements of FDA.

☐ Computer can monitor and control the temperature, speed, humidity, CO_2, light and other parameters of the shaker through the LAN.

☐ Computer can program to the machine and let the unit run as several section programs (the max. is 12).

☐ Send a message to the machine's alarm information to the designated mobile phone.

☐ Historical data reports can generate temperature, speed, CO_2 concentration, and humidity curves to see if there are any anomalies at a glance.

[PC software user interface]
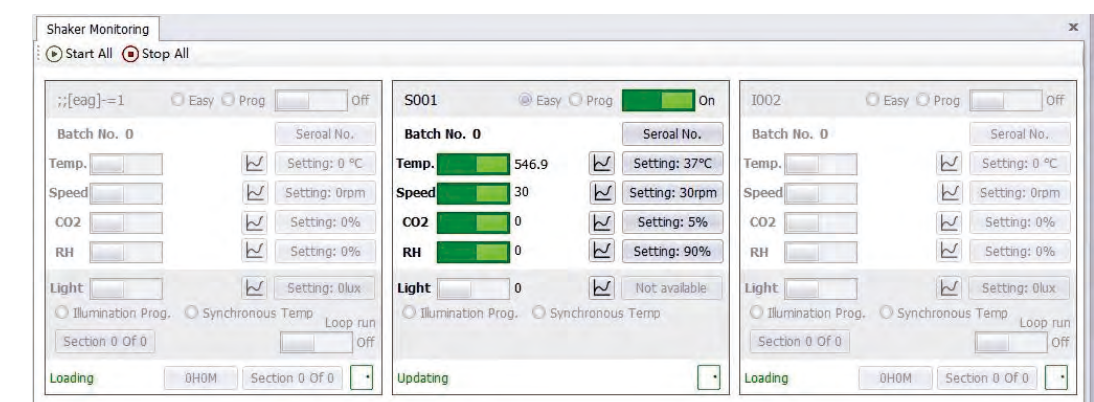
IS−RDS3/ IS−RDS4 Series
Stackable Incubator Shaker (Button Control)

270L Stackable Incubator Shaker

**270L Stackable Incubator Shaker
with Light Controller**

215L Stackable Incubator Shaker

◆ Description

Stackable incubator shakers are the ideal choice for optimizing laboratory space without compromising the advantages of performing large capacity incubations. The products are designed with sliding platforms and light controller for easy of access to samples.

◆ Specifications

Model	IS-RDS3	IS-RDS3L	IS-RDS4
Product Name	Stackable Incubator Shaker		
Speed	0rpm, 30~300rpm		
Speed Accuracy	1rpm		
Orbit Diameter	Φ26mm		
Max. Capacity	Clamp Capacity: 50mlx84 / 100mlx42 / 150mlx42 / 200mlx40 / 250mlx40 / 500mlx28 / 1000mlx15 / 2000mlx12 / 3000mlx8 / 5000mlx6 Sticky Mat: 50mlx124 / 100mlx93 / 150mlx68 / 200mlx54 / 250mlx52 / 300mlx40 / 500mlx28 / 1000mlx15 / 2000mlx12 / 3000mlx8 / 5000mlx6	Clamp Capacity: 50mlx84 / 100mlx42 / 150mlx42 / 200mlx40 / 250mlx40 / 500mlx28 / 1000mlx15 / 2000mlx12 / 3000mlx8 Sticky Mat: 50mlx124 / 100mlx93 / 150mlx68 / 200mlx54 / 250mlx52 / 300mlx40 / 500mlx28 / 1000mlx15 / 2000mlx12 / 3000mlx8	Clamp Capacity: 50mlx84 / 100mlx42 / 150mlx42 / 200mlx40 / 250mlx40 / 500mlx28 / 1000mlx15 / 2000mlx12 Sticky Mat: 50mlx124 / 100mlx93 / 150mlx68 / 200mlx54 / 250mlx52 / 300mlx40 / 500mlx28 / 1000mlx15 / 2000mlx12
Platform Dimensions	740x500mm		
Temp. Range	15℃ Below Ambient~60℃ (Min. 4℃)		
Temp. Accuracy	0.1℃		
Temp. Uniformity	±0.3℃ (@37℃)	±0.8℃ (@37℃)	±0.3℃ (@37℃)
Light Strengh		0~20000Lux (Up to the platform 10cm)	
Auto-Defrost	Yes		
Auto-run after Power Recovery	Yes		
Display	LCD		
Timer	0~999h59min		
Outside Dimensions	1240x777x670mm		1240x777x570mm
Operation Chamber Dimension	400mm	363mm	300mm
Power	<1100W	<1300W	<1100W
Power Supply	AC220V±22V, 50 / 60Hz		
Net Weight	220kg (Single Unit)		200kg (Single Unit)
Maximum Stackable Height	2m (3 Units)		1.7m (3 Units)

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CO₂ Incubator Shakers

Temp. Range	10°C Below Ambient~60°C (Min. 4°C)	18°C Below Ambient ~60°C (Min. 4°C)		
Orbit diameter	26mm			
Capacity of 1L Flasks	22	12	15	22
Internal Chamber Working Height	305mm (2000ml)	305mm (2000ml)	305mm (2000ml)	330mm (3000ml)
Door Opening	Downward	Left	Downward	
Drive Mechanism	Motor Drive	Magnetic Drive	Motor Drive	
Light	Yes	NA		
Model	IS-6CL	IS-ACM	IS-4C	IS-RDS6C
Product	Stackable CO₂ Incubator Shaker (381L, White light, Touch screen)	Magnetic CO₂ Incubator Shaker (190L, Touch screen)	Stackable CO₂ Incubator Shaker (250L, Touch screen)	Stackable CO₂ Incubator Shaker (401L, Touch screen)
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Picture				

Temp. Range	18°C Below Ambient ~60°C (Min. 4°C)				
Orbit diameter	50mm				
Capacity of 1L Flasks	22	12	15		22
Internal Chamber Working Height	335mm (3000ml)	305mm (2000ml)	305mm (2000ml)		335mm (3000ml)
Door Opening	Downward	Left	Downward	Upward	Upward
Drive Mechanism	Motor Drive	Magnetic Drive	Motor Drive		
Light	NA				
Model	IS-RDS6C5	IS-A5CM	IS-4C5	IS-4C5T	IS-RDS6C5T
Product	Stackable CO₂ Incubator Shaker 50mm orbit (401L, Touch screen)	Magnetic Drive Stackable CO₂ Incubator Shaker 50mm orbit (190L, Touch Screen)	Stackable CO₂ Incubator Shaker 50mm orbit (250L, Touch screen)	Stackable CO₂ Incubator Shaker 50mm orbit (250L, Touch screen, Upward Door)	Stackable CO₂ Incubator Shaker 50mm orbit (401L, Touch screen, Upward Door)
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Picture					

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Incubator Shaker (w/o CO_2)

	IS-AM	IS-AX	IS-4	IS-4T	IS-RDS6	IS-RDS6T	IS-RDD3
Temp. Control	Heating (with cooling)						
Temp. Range	18°C Below Ambient~60°C (Min. 4°C)						15°C Below Ambient~60°C (Min. 4°C)
Orbit diameter	26mm						
Capacity of 1L Flasks	12		15		22		8
Internal Chamber Working Height	305mm (2000ml)	305mm (2000ml)	305mm (2000ml)		335mm (3000ml)		301mm (2000ml)
Door Opening	Left		Downward	Upward	Downward	Upward	Upward
Drive Mechanism	Magnetic Drive	Motor Drive					
Light	NA						
Model	IS-AM	IS-AX	IS-4	IS-4T	IS-RDS6	IS-RDS6T	IS-RDD3
Product	Magnetic CO_2 Incubator Shaker (190L, Full-range Temperature, Touch screen)	Stackable Incubator Shaker (190L, Full-range Temperature, Touch screen)	Stackable Incubator Shaker (250L, Full-range Temperature, Touch screen)	Stackable Incubator Shaker (250L, Full-range Temperature, Touch screen, Upward Door)	Stackable Incubator Shaker (401L, Full-range Temperature, Touch screen)	Stackable Incubator Shaker (401L, Full-range Temperature, Touch screen, Upward Door)	Incubator Shaker (96L, Full-range Temperature, Upward Door)
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Picture							

	IS-RDS3	IS-RDS3L	IS-RDS4	IS-6L	IS-6LT	IS-RSDA	IS-RSD3
Temp. Control	Heating (with cooling)					Heating	
Temp. Range	15°C Below Ambient~60°C (Min. 4°C)			10°C Below Ambient~60°C (Min. 4°C)		5°C Above Ambient~60°C	
Orbit diameter	26mm						
Capacity of 1L Flasks	15			22		2	8
Internal Chamber Working Height	400mm (5000ml)	363mm (3000ml)	300mm (2000ml)	305mm (2000ml)		270mm (1000ml)	301mm (1000ml)
Door Opening	Downward			Downward	Upward	Left	Upward
Drive Mechanism	Motor Drive						
Light	NA	Yes	NA	Yes		NA	
Model	IS-RDS3	IS-RDS3L	IS-RDS4	IS-6L	IS-6LT	IS-RSDA	IS-RSD3
Product	Stackable Incubator Shaker (270L, Full-range Temperature)	Stackable Incubator Shaker (270L, Full-range Temperature)	Stackable Incubator Shaker (215L, Full-range Temperature)	Stackable Incubator Shaker (381L, Full-range Temperature)	Stackable Incubator Shaker (381L, Full-range Temperature, Upward Door)	Incubator Shaker (50L)	Incubator Shaker (96L)
Page	P37			P17		P41	P40
Picture							

Benchtop Incubator Shakers

Ergonomically designed with curved glass window and cover, it has an appealing look and large viewing area for clear visibility. The product is suitable for small scale experiments.

◆ Specifications

Model	IS-RDD3	IS-RSD3
Product Name	Bench-Top Incubator Shaker with Full-range Temperature Controller	Bench-Top Incubator Shaker
Speed Range	0rpm, 30~400rpm	
Speed Precision	±1rpm	
Orbit Dimeter	Φ26mm	
Maximum Capacity	Clamp Capacity: 50mlx42 / 100mlx25 / 150mlx24 / 200mlx20 / 250mlx20 / 500mlx12 / 1000mlx8 / 2000mlx4 Sticky Mat: 50mlx56 / 100mlx42 / 150mlx30 / 200mlx30 / 250mlx24 / 300mlx20 / 500mlx14 / 1000mlx9 / 2000mlx4	
Platform Dimensions	450×400mm	
Temp. Range	Ambient−15℃~60℃（Low Limit:4℃）	Ambient+5℃~60℃
Temp. Sensitivity	0.1℃	
Temp. Uniformity	±0.5℃（@37℃）	
Auto-Defrost	Yes	
Auto-run after Power Recovery	Yes	
Display	LCD	
Timer Range	0~999h	
Outside Dimensions(WxDxH)	700x650x620mm	
Operation Chamber Dimension	301mm	
Power	<730W	<550W
Power Supply	AC220V±22V, 50 / 60Hz	
Weight	110Kg	100Kg

Benchtop Incubator Shakers

This model is designed with small footprint for standard bench top applications. Its sliding platform facilitates easy sample handling. The tempered glass door provides clear visibility.

◆ Specifications

Model	IS-RSDA
Product Name	Low Profile Bench-top Incubator Shaker
Speed Range	0rpm, 30~300rpm
Speed Precision	±1rpm
Orbit Diameter	Φ26mm
Max. Capacity	Clamp Capacity: 50mlx28 / 100mlx15 / 150mlx11 / 200mlx10 / 250mlx9 / 500mlx4 / 1000mlx2 Sticky Mat: 50mlx30 / 100mlx20 / 150mlx19 / 200mlx14 / 250mlx12 / 500mlx7 / 1000mlx5
Platform Dimensions	350×300mm
Temp. Range	+5℃~80℃
Temp. Accuracy	0.1℃
Temp. Uniformity	±0.5℃（@37℃）
Display	LED
Timer Range	0~99h
Outside Dimensions(W×D×H)	440x535x550mm
Operation Chamber Dimension	270mm
Power	<750W
Power Supply	AC220V±22V, 50 / 60Hz
Weight	50Kg

◆ Incubator Shaker Accessories

Flask Clamp

Part Number	Specifications	Note
IS-A1	50ml	Made of polished stainless steel sheet. They can be fixed on any platform of all models of incubator shakers.
IS-A2	100ml	
IS-A3	150ml	
IS-A4	200ml	
IS-A5	250ml	
IS-A6	500ml	
IS-A7	1000ml	
IS-A8	2000ml	
IS-A9	3000ml	
IS-A10	5000ml	
IS-A50	25ml	

Adjusttable Test Tube Rack

Part Number	Specifications	Note
IS-A20	40 Hole φ14mm For 5ml Tube	Made of stainless steel and high grade ABS plastic material. Compatible with all of IncuShakers®. Outside Dimensions (W x D x H): 267x125x172mm IS-A109 Outside Dimension (include knob): 305x125x172mm
IS-A21	40 Hole φ16mm For 10ml Tube	
IS-A30	40Hole φ18mm For 15ml Tube	
IS-A109	40Hole Φ16mm For 15ml Tube Mute	
IS-A31	27 Hole φ22mm For 20ml Tube	
IS-A32	21Hole Φ30mm For 50ml Tube	
IS-A102	21Hole φ30mm For 50ml Tube	

Test Tube Rack

Part Number	Specifications	Note
IS-A11	40 Hole φ14mm For 5ml Tube	Made of stainless steel and high grade ABS plastic material. Compatible with all of IncuShakers®. Outside Dimensions (W x D x H): 262x112x140mm
IS-A12	40 Hole φ16mm For 10ml Tube	
IS-A23	40 Hole φ18mm For 15ml Tube	
IS-A24	27 Hole φ22mm For 20ml Tube	
IS-A42	21 Hole φ30mm For 50ml Tube	

Test Tube Holder

Part Number	Specifications	Note
IS-A101	21Hole φ30mm For 50ml Tube Mute	Add tube stabilization device running static Outside Dimension: 262x112x142mm
IS-A106	40Hole φ18mm For 15ml Tube Mute	
IS-A103	10Hole φ30mm For 50ml Tube Mute	Add tube stabilization device running static Outside Dimension: 197x86x105mm also for bench top shaker
IS-A105	24Hole φ16mm For 15ml Tube Mute	

Adjusttable Test Tube Rack

Part Number	Specifications	Note
IS-A37	24 Hole φ30mm For 50ml Tube	Made of stainless steel, rack for 300mm long tubes. Outside Dimensions (W x D x H): 423x150x200mm

◆ Incubator Shaker Accessories

Multifunction Spring Platform

* Made of stainless steel. Can be fixed onto shaking platform.

Part Number	Specifications	Weight	Note
IS-A19	165x165x80mm	1.2kg	For all shakers.
IS-A27	350x240x80mm	2.5kg	For IS-RSDA Series
IS-A22	450x400x80mm	5.1kg	For IS-RDD3、IS-RSD3 Series
IS-A39	720x440x80mm	11.4kg	For IS-RDS3、IS-RDS4、IS-4 Series
IS-A63	899x539x81.5mm	13.8kg	For IS-RDS6、IS-6L Series

Fixture for Separating Funnel

Part Number	Specifications	Note
IS-A25	355x402x153mm	Used for separating funnel with volume 5000ml.
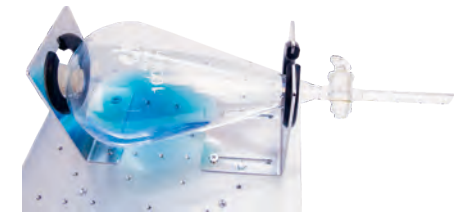
Part Number	Specifications	Note
IS-A35		Used for separating funnel with volume greater than 500ml.

Infusion Bottle Clamp
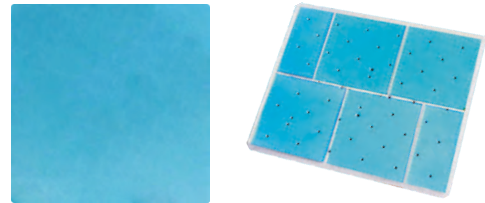
Part Number	Specifications	Note
IS-A33	500ml	Made of stainless steel. Can be fixed on all platforms of incubator shakers.

| Part Number	Specifications	Note
IS-A34	1000ml	Made of stainless steel. Can be fixed on all platforms of incubator shakers.

◆ Incubator Shaker Accessories
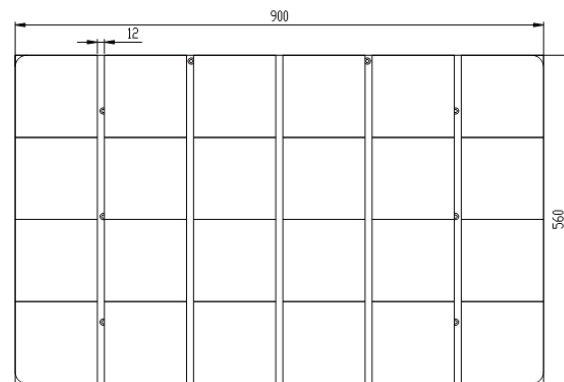

Self-Adhesive Silica Mat

Part Number	Specifications	Note
IS-A47	140x140mm	Use for all shaker, wipe with water, dry for few minutes, the mat will be self-adhesive on surface.
IS-A122	280x280mm	

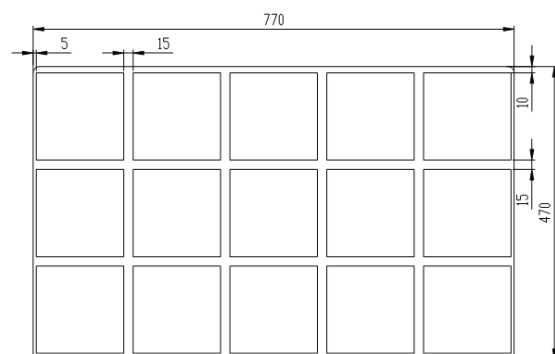***** Adhesive works better after lay-out the mat on the surface for 10minutes.

Incubator Shaker Self-Adhesive Silica Mat Layout Diagram:
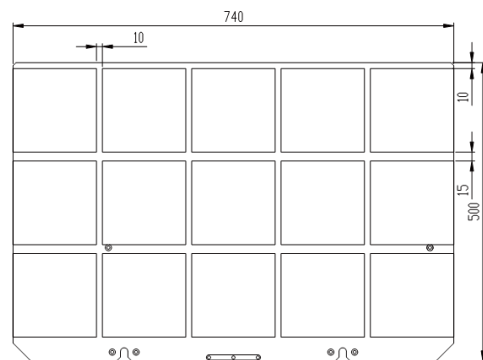
Part Number	IS-RDS3
Platform Dimensions	740x500mm
140x140mm Sticky Mat Quantity	15pcs

Part Number	IS-RDS6
Platform Dimensions	900x560mm
140x140mm Sticky Mat Quantity	24pcs

Part Number	IS-4
Platform Dimensions	770x470mm
140x140mm Sticky Mat Quantity	15pcs

Incubator Shaker Self-Adhesive Silica Mat Layout Diagram:
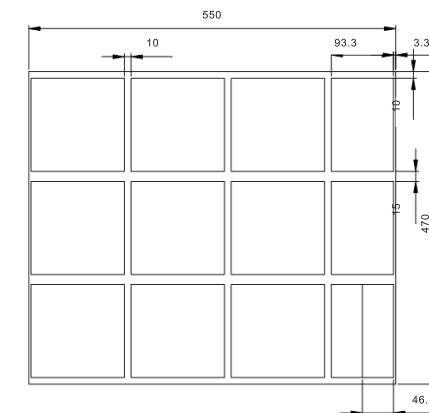
Part Number	IS-A5CM
Platform Dimensions	550x470mm
140x140mm Sticky Mat Quantity	12pcs
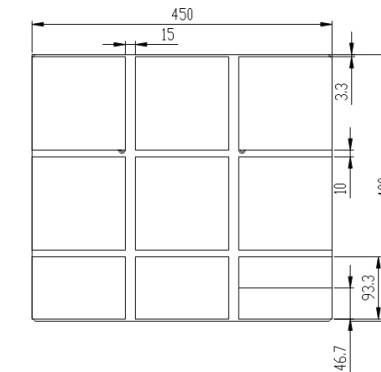
Part Number	IS-RDD3
Platform Dimensions	450x400mm
140x140mm Sticky Mat Quantity	8pcs
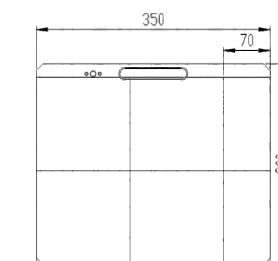
Part Number	IS-RDSA
Platform Dimensions	350x300mm
140x140mm Sticky Mat Quantity	5pcs

◆ Incubator Shaker Accessories

Rack for Stacking Incubator Shakers

Part Number	Specifications	Note
IS-A29	948x630x225mm	Support stackable incubator shakers (up to two units). For IS-RDS3, IS-RDS3C, IS-RDS4.
IS-A62	1440x775x330mm	Support stackable incubator shakers (up to two units). For IS-RDS6 series, IS-6L series.
IS-A91	1241x651x340mm	Can place one or two stackable touch screen full-temperature incubator shaker, used for IS-4 Series.

◆ **Incubator Shaker Accessories**

5000ml Flask Holder

Part Number	Specifications	Note
IS-A26	500x292x200mm	Hold 5000ml Flask. （For IS-RDS3、 IS-RDS3C series）

Deep Well Plate Clamp

Part Number	Specifications	Note
IS-A61	780x450x84mm	Maximum Quantity Held: 21

24-Deep Well Plate Clamp

Part Number	Specifications	Note
IS-A107	130x98x85mm	For 24 Well Plate. Dimension: 127x85x51mm (with cover and sticky mat) Used for: IS-RDS6 series, IS-4 Series, IS-5 Series, IS-9 Series, IS-A5CM Series

96-Well Microplate Holder

Part Number	Specifications	Note
IS-A13	136x95mm	Can be fixed on any platform of incubator shakers.

Static Separator

Part Number	Specifications	Note
IS-A110	1005x600x43mm	Used for: IS-RDS6 Series, IS-6L
IS-A116	864x500x43mm	Used for: IS-4 Series

Double Cradle

Part Number	Specifications	Note
IS-A138	W×D: 900×560mm H：180mm	For IS-5, IS-6 Series, for placing culture vessel or conical bottles under 150ml, can be operated within 180rpm.

◆ **Incubator Shaker Accessories**

Remote Monitoring for Incubator shaker (With APP software)

Part Number	Specifications	Note
IS-A64	Please see Page 9.	Include basic monitor & control unit and APP software
IS-A65		Include monitor & control unit and software for Apple iPhone and iPad
IS-A66		Include advanced version monitor & control unit for Apple iPhone and iPad

Fixed Test Tube Holder

Part Number	Specifications	Note
IS-A111	36Hole φ22mm For 20ml Tube	External Dimension： 250x134x160mm
IS-A112	36Hole φ18mm For 15ml Tube	
IS-A113	55Hole φ16mm For 10ml/15ml Tube	
IS-A114	15Hole φ30mm For 50ml Tube	

50ml Adjustable Test Tube Holder

Part Number	Specifications	Note
IS-A133	24Hole φ30mm For 50ml Tube	External Dimension： 365x139x126mm

50ml Stainless Steel Test Tube Holder

Part Number	Specifications	Note
IS-A117	24Hole φ30mm For 50ml Tube	External Dimension： 82x139x75mm

15ml Adjustable Test Tube Holder

Part Number	Specifications	Note
IS-A136	Mute 44Hole φ18.5mm For 15ml Tube	External Dimension： 365x139x126mm

Window Shade

Part Number	Specifications	Note
IS-A80	702x352mm	For IS-RDS6 Series.
IS-A81	652x232mm	For IS-RDS9, IS-RDS4 Series.

◆ **Incubator Shaker Accessories**

Water Bath Shakers

Part Number	IS-A71
Humidification Type	Automatic
Power Supply	AC110~240V, 50/60Hz

Automatic replenisher has a detector to keep the water level in the humidity tray. Distilled water could be automatically replenished from water tank if the water in the humidity tray is below the level and replenishing stops when the water level is reached. No need to refill water manually.
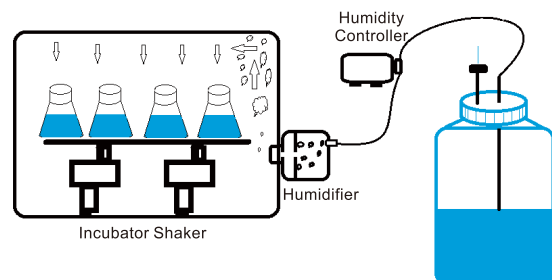
AutomaticWater
Replenishing Device

Part Number	Specifications	Note
IS-A90	449x240x240mm	Used with IS-A71 and IS-A72; Capacity 15L.

Water Tank

Part Number	IS-A72
Humidity Type	RH Controller
Max. Humidity	CO_2 Incubator 95% Shaker 90% Temperature use: Ambient Temperature +10℃
RH Control Range	Up 10% of the Ambient to 95%
RH Set Accuracy	±1%
RH Control Accuracy	±5%
Water Refill	Automatic
Power Supply	AC 220V±22V, 50/60Hz

The RH control system includes a humidity controller and automatic replenisher. The controller regulates the heating temperature and water flow rate. When distilled water was replenished from water tank and get through the humidifier, high temperature steam is produced and spread into the shaker chamber. Therefore, the humidity in the chamber can be set and precisely controlled as required. No humidity tray is needed, no contamination in the chamber.

RH Controller

Humidity Controller

Humidifier

Incubator Shaker

◆ Standard Features

Crystal water bath shaker features adjustable speed range of 20 – 200 rpm, slow ramping up and down, LED display, stainless steel construction, maintenance free brushless motor, PTC heating unit, and guarantees its continuous and heavy-duty operation. The product is built with low water level and overheating protection.

SY-2230

◆ Specifications

Model	SY-2230	Outside Dimensions	750x380x326mm
Name	Water Bath Shakers	Max. Power Consumption	1400W
Temperature Range	Ambient +5℃~99℃	Power Supply	AC220V±22V, 50Hz±1Hz
Temperature Fluctuation	±0.3℃ (@37℃)	Weight	30kg
Speed(rpm)	20~200rpm	Oribit Diameter	25.4mm
Timer Setup Ranger	0~99.9h	Overheating Protection	Yes
Water Tank Capacity	27L	Water Level Profection	Yes
Drain Outlet	Yes	Audial and Visual Alarm	Yes
Tank Internal Dimensions	528x308x226mm	Auto-run after Power Recovery	Yes

◆ Accessories

Name	Part Number	Maximum Capacity	Picture	Note
Clear-view Water Bath Cover	SY-2230-01	1		Transparent:474x120mm
Tubes Rack A	SY-2230-02A	3		36Hole, Diameter Φ22mm For 20ml Tube
Tubes Rack B	SY-2230-02B	3		36Hole, Diameter Φ18mm For 15ml Tube
Tubes Rack C	SY-2230-02C	3		55Hole, Diameter Φ16mm For 10ml / 15ml Tube
Platform for Tubes Rack	SY-2230-02D	1		
Tubes Rack E	SY-2230-02E	3		15Hole, Diameter Φ30mm For 50ml Tube
Universal Spring Platform	SY-2230-03A	1		370x240x180mm
100ml Flask Clamp	IS-A2	15		
150ml Flask Clamp	IS-A3	15		
200ml Flask Clamp	IS-A4	10		
250ml Flask Clamp	IS-A5	10		
500ml Flask Clamp	IS-A6	6		
1000ml Flask Clamp	IS-A7	4		
Platform for Flask Clamp	SY-2230-03F	1		