

Open-air Shakers (Dual-action)

OS-2000/3000 (20 to 500 rpm)

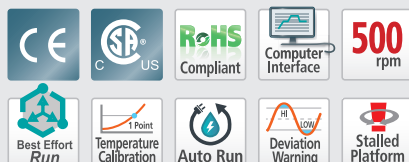
Dual-action benchtop platform shakers accommodate flask up to 6L

The most versatile shakers at a reasonable price offer an ideal solution for your mixing needs

REMOTE CONTROL
with your **MOBILE DEVICE**



OS models with the optional dedicated platform



Model		OS-2000	OS-3000
Shaking system	Motion type	Orbital or Reciprocating motion selectable	
	Amplitude size (mm / inch, dia.)	12.7, 19.1 / 0.5, 0.8 (standard 19.1 / 0.75)	19.1, 25.4 / 0.8, 1 (standard 19.1 / 0.75)
	Speed range ²⁾ (rpm)	20 to 500	
	Accuracy	±1% of set speed (≥100rpm) / ±1 (≤100rpm)	
	Timer	1 min. to 999 hr. 59 min.	
Max. load (kg / lbs)		10 / 22.0 at 500 rpm in orbital shaking motion 8.5 / 18.7 at 500 in reciprocating shaking motion	
Dimension	Platform (WxD) (mm / inch)	320×260 / 12.6×10.2	350×350 / 13.8×13.8
	Body (WxDxH) (mm/inch) ¹⁾	354×388×146/ 13.9×15.3×5.7	409×508×141/ 16.1×20×5.6
	Net weight (Kg / lbs)	22 / 48.5	28 / 61.7
Electrical requirements (230V, 50 / 60Hz)		0.3A	0.3A
Cat. No.		AAH3D1115K	AAH3D1215K
Electrical requirements (120V, 50 / 60Hz)		0.6A	0.6A
Cat. No.		AAH3D1165U	AAH3D1265U

1) Main body dimension without accessories.

2) In case of operating at high speed (350 to 500 rpm), it is recommended to use optional attachments to be fixed on the working surface.

※ FDA establishment registered company. FDA listed products.



Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity

Automatic run after power interruption

Audible/Visible alarm activated by shaking speed deviation

Shaker protection system against over-current, stalled platform check

Microprocessor PID control and shaking speed calibration

Dual-action shaking motions

- Orbital or reciprocating

Timer range

- 1 min to 999 hr 59 min

User friendly control panel

- Lab Companion's unique VFD-bright, clear, easy to read
- Durable membrane touch switch and control knob

Speed is basically set and displayed in increments of 1 rpm. Speed increment interval can be set among 1, 5, 10 rpm according to users preference

RS-232 port and USB port for external control and data collection

Wide speed range even with heavy workload by built in the maintenance-free BLDC motor

Stopping the shaking platform always at the same position, beneficial for automated dosing or sampling

Smooth start and stop function prevents chemical spills

Low-profile design minimizes vibration or sliding caused by the high speed shaking motion.

Accessories

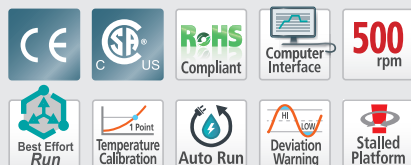
For detailed information of accessories, please refer to the page 22-25.

Open-air Shakers (General)

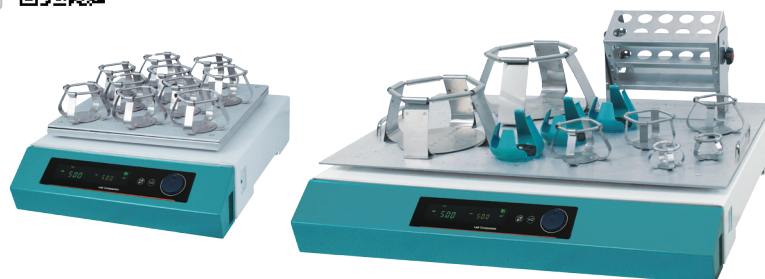
OS-4000/7100/7200 (20 to 500/450 rpm / 30 to 500/300 rpm)

Powerful driving system with a durable body structure increases shaking capacity

Suitable for larger or heavier workloads requiring accurate and reproducible results



REMOTE CONTROL
with your **MOBILE DEVICE**



OS models with the optional platform

Model		OS-4000		OS-7100	OS-7200
Control system		PID feedback control			
Display		VFD			
Shaking system	Motion type	Orbital			
	Amplitude size (mm / inch, dia.)	19.1 / 0.75 (standard)	25.4 / 1 (adjustable)	25.4 / 1	50.8 / 2
	Speed range ²⁾ (rpm)	20 to 500	20 to 450	30 to 500	30 to 300
	Accuracy	±1% of set speed (≥100rpm) / ±1 (≤100rpm)			
	Timer	1 min. to 999 hr. 59 min.			
Max. load (kg / lbs)		14 / 30.9 at 500 rpm 21 / 46.3 at 400 rpm	10 / 22.0 at 450 rpm 21 / 46.3 at 300 rpm	10 / 22.0 at 500 rpm 25 / 55.1 at 400 rpm	23 / 50.7 at 300 rpm 35 / 77.2 at 200 rpm
Dimension	Platform (WxD) (mm / inch)	450×450 / 17.7×17.7		755×520 / 29.6×20.5	
	Body ¹⁾ (WxDxH) (mm/inch)	510×632×156 / 20.1×24.9×6.1		755×627×151 / 29.7×24.7×5.9	
	Net weight (Kg / lbs)	43 / 94.8		117 / 257.9	
Electrical requirements (230V, 50 / 60Hz)		0.3A		0.4A	
Cat. No.		AAH3D1315K		AAH3D1415K	AAH3D1515K
Electrical requirements (120V, 50 / 60Hz)		0.6A		0.8A	
Cat. No.		AAH3D1365U		AAH3D1465U	AAH3D1565U

1) Main body dimension without accessories.

2) In case of operating at high speed (350 to 500 rpm), it is recommended to use optional attachments to be fixed on the working surface.

※ Permissible environmental conditions: temperature (5-40°C) and relative humidity (up to 80%).

※ CSA for OS-4000. ※ FDA establishment registered company. FDA listed products.



Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity

Automatic run after power interruption

Audible/Visible alarm activated by shaking speed deviation

Shaker protection system against over-current, stalled platform check

Microprocessor PID control and shaking speed calibration

Timer range

- 1 min to 999 hr 59 min

User friendly control panel

- Lab Companion's unique VFD-bright, clear, easy to read
- Durable membrane touch switch and control knob

Speed is basically set and displayed in increments of 1 rpm. Speed increment interval can be set among 1, 5, 10 rpm according to users preference

RS-232 port and USB port for external control and data collection

Wide speed range even with heavy workload

- Ideal DD(Direct Drive) Brushless Motor and triple cam system support heavy load, quiet, maintenance free operation and deliver high torque at high speeds and smooth rotation (only for OS-7100/7200)
- Equipped with a maintenance-free BLDC motor to generate smooth, quiet, uniform, and yet powerful shaking motion (only for OS-4000)

Stopping the shaking platform always at the same position, beneficial for automated dosing or sampling

Smooth start and stop function prevents chemical spills

Low-profile design minimizes vibration or sliding caused by the high speed shaking motion.

Accessories

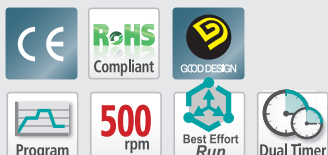
For detailed information of accessories, please refer to the page 22-25.

Open-air Shakers (Advanced)

SKC-6075/6100/6200/7075/7100/7200 (30 to 500 rpm)

Innovative triple-cam shaking mechanism with offering reliable performance across a wide speed range

Specially designed to carry out heavy-duty and trouble-free operations continuously



SKC models with the optional dedicated platform

Model		SKC-6075	SKC-6100	SKC-6200	SKC-7075	SKC-7100	SKC-7200	
Control system		PID feedback control						
Display		VFD						
Shaking system	Motion type		Orbital					
	Amplitude size (mm / inch, dia)		19 / 0.75	25 / 1	50 / 2	19 / 0.75	25 / 1	50 / 2
	Speed range ²⁾ (rpm)		30 to 500					
	Accuracy at 100 rpm		±1					
Dimension	Platform (WxD) (mm / inch)	Small	580×520 / 22.8×20.5			755×520 / 29.7×20.5		
		Large	660×520 / 26×20.5			885×520 / 34.8×20.5		
	Body ¹⁾ (WxDxH) (mm / inch)		582.8×618 ×122.2			754.8×662×122.2		
			22.9×24.3×4.8			29.7×26.1×4.8		
	Net weight (kg / lbs)		65 / 143.3			75 / 165.4		
Electric requirements (230V, 50 / 60Hz)		0.4A						
Cat. No.		AAH30105K	AAH30115K	AAH30125K	AAH30205K	AAH30215K	AAH30225K	
Electric requirements (120V, 60Hz)		0.8A						
Cat. No.		AAH30106U	AAH30116U	AAH30126U	AAH30206U	AAH30216U	AAH30226U	

1) Main body dimension without accessories.

2) In case of operating at high speed (350 to 500 rpm), it is recommended to use optional attachments to be fixed on the working surface.



Progressive Program Operation

- Max. 20 segments in one pattern and Max 20 patterns are saved
- Shaking Motion
 - Forward & Backward, Pause

Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity

Automatic run after power interruption

Shaker protection system against over-current

Microprocessor PID control maintaining constant speed

Dual wait on/off timer modes

- 1 min to 99 hr 59 min

User friendly control panel

- Lab Companion's unique VFD-bright, clear, easy to read
- Durable membrane touch switch and control knob

Wide speed range even with heavy workload by built in DD(Direct Drive) Brushless Motor and triple cam system

Stopping the shaking platform always at the same position, beneficial for automated dosing or sampling

Smooth start and stop function prevents chemical spills

Exceptional low-profile design (only 12cm from bottom to platform) minimizes vibration or sliding caused by the high speed shaking motion

Chemical-resistant and durable construction

Easy-exchangeable slide type universal platform reduces physical fatigue when handling the heavy load samples (optional)

Accessories

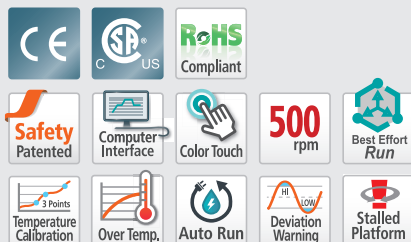
For detailed information of accessories, please refer to the page 22-25.

Incubated Shakers

IST-3075/4075 (Amb. +5 to 80°C, 20 to 500 rpm)

Digital incubating benchtop shakers

Transparent lid offers great visibility and gas spring supports ensure hand-down handling of the samples by allowing immediate and easy access to your samples.



REMOTE CONTROL
with your **MOBILE DEVICE**



IST-3075 with the optional dedicated platform



IST-4075 with the optional universal attachment

Model		IST-3075		IST-4075	
Temperature	Range (°C / °F)	Amb. +5 to 80 / Amb. +9 to 176		Amb. +5 to 80 / Amb. +9 to 176	
	Fluctuation at 37°C in flask (±°C / °F)	0.1 / 0.18			
	Variation at 37°C in flask (±°C / °F)	0.5 / 0.90			
	Refrigerator (Hp)	-			
Shaking system	Motion type	Orbital			
	Amplitude size (mm / inch, dia.)	19.1 / 0.75			
	Speed range (RPM)	20 to 500			
	Accuracy	±1% of set speed (>100rpm) / ±1 (≤100rpm)			
	Timer	1 min. to 999 hr 59 min.			
	Max. load (kg / lbs)	10 / 22.0 at 500 rpm, 15 / 33.1 at 400 rpm		14 / 30.9 at 500 rpm, 21 / 46.3 at 400 rpm	
Dimension	Volume (L / cu ft)	53 / 1.9		83 / 2.9	
	Platform (WxD) (mm / inch)	350x350 / 13.8x13.8		450x450 / 17.7x17.7	
	Interior (WxDxH) (mm / inch)	410x410x320 / 16.1x16.1x12.6		510x510x320 / 20.1x20.1x12.6	
	Exterior (WxDxH) (mm / inch)	440x785x510 / 17.3x30.9x20.1		540x890x510 / 21.3x35x20.1	
Net weight (Kg / lbs)		65 / 143.3		81 / 178.6	
Electrical requirements (230V)		60Hz, 4A		60Hz, 4A	
Cat. No.		AAH23411K		AAH23611K	
Electrical requirements (120V)		60Hz, 7.5A		60Hz, 7.5A	
Cat. No.		AAH23465U		AAH23665U	

※ FDA establishment registered company. FDA listed products.



Intuitive touch screen LCD with easy icons

Automatic run after power interruption

Built-in RS-232 port and USB port for datalog

Shaking Timer range
• 1 min to 999 hr 59 min

Audible/Visible alarm activated by shaking speed deviation

Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity

Temperature and shaking speed deviation alarm

Shaker protection system against over-current, stalled platform check

Microprocessor PID control and auto-tuning

Three point temperature calibration

Mechanical over-temperature protection device

Wide speed range even with heavy workload by built in the maintenance-free BLDC motor

Stopping the shaking platform always at the same position, beneficial for automated dosing or sampling

Smooth start and stop function prevents chemical spills

Transparent acryl lid with bright LED lamps for wide sample monitoring and gas spring lid for convenient sample loading

Corrosion resistance stainless steel interior

High-velocity fan ensures uniform temp. distribution

Accessories

For further information, please visit www.jeiotech.com

Incubated Shakers

ISF-7100/7200 (Amb. +5 to 80°C, 30 to 500/300 rpm)

Large capacity up to five 6L flasks and heavy workload shaking with rapid heating performance.

REMOTE CONTROL
with your **MOBILE DEVICE**



Model		ISF-7100	ISF-7200
Temperature	Range (°C / °F)	Amb. +5 to 80 / Amb. +9 to 176	Amb. +5 to 80 / Amb. +9 to 176
	Fluctuation at 37°C in flask (±°C / °F)	0.1 / 0.18	
	Variation at 37°C in flask (±°C / °F)	0.5 / 0.90	
Shaking system	Motion type	Orbital	
	Amplitude size (mm / inch, dia.)	25.4 / 1	50.8 / 2
	Speed range (rpm)	30 to 500	30 to 300
	Accuracy	±1% of set speed (>100rpm) / ±1 (≤100rpm)	
	Timer	1 min. to 999 hr 59 min.	
	Max. load (kg / lbs)	15 / 33.1 at 500 rpm 25 / 55.1 at 400 rpm 35 / 77.2 at 300 rpm	20 / 44.1 at 300 rpm 35 / 77.2 at 200 rpm
Dimension	Volume (L / cu ft)	270 / 9.5	
	Platform (WxD) (mm / inch)	755x520 / 29.7x20.5	
	Interior (WxDxH) (mm / inch)	894x634x480 / 35.2x25x18.9	
	Exterior (WxDxH) (mm / inch)	1128x854x1035 / 44.4x33.6x40.8	
Net weight (Kg / lbs)		277 / 610.7	277 / 610.7
Electrical requirements (230V)		50 / 60Hz, 3.7A	50 / 60Hz, 3.7A
Cat. No.		AAH23342K	AAH23442K
Electrical requirements (120V)		60Hz, 7.3A	60Hz, 7.3A
Cat. No.		AAH23375U	AAH23475U

※ Temp. change may occur during automatic defrost. (for ISF-7100R/7200R)

※ FDA establishment registered company. FDA listed products.

Intuitive touch screen LCD with easy icons

Automatic run after power interruption

Built-in RS-232 port and USB port for datalog

ShakingTimer range

- 1 min to 999 hr 59 min

Audible/Visible alarm activated by shaking speed deviation

Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity

Temperature and shaking speed deviation alarm

Shaker protection system against over-current

Microprocessor PID control and auto-tuning

Three point temperature calibration

Triple independent temperature monitor system

- Temperature deviation alarm (High/Low)
- Electronic temperature limiter (High/Low)
- Mechanical over-temperature limiter (High)

Wide speed range even with heavy workload by built in DD(Direct Drive) Brushless Motor and triple cam system

Stopping the shaking platform always at the same position, beneficial for automated dosing or sampling

Smooth start and stop function prevents chemical spills

The gentle inclined top lid with viewing window and bright LED lamp provide easy sample monitoring and easy sample loading in the chamber.

Easy-access drain system with a quick disconnect valve

Air-tight silicone door seal with lockable door for safe storage of samples.

Corrosion resistance stainless steel interior

High-velocity fan ensures uniform temp. distribution

Accessories

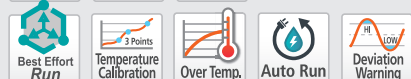
For further information, please visit www.jeioTech.com

Incubated Shakers

ISS-7100/7200 (Amb. +10 to 80°C, 30 to 400 rpm)

Stackable up to three units for maximum utilization of lab spaces.

Multi-purpose incubated shakers feature a wide range of temperature control and large chamber volume.



REMOTE CONTROL
with your **MOBILE DEVICE**



ISS-7100 with the optional accessories | ISS-7200 with the optional accessories

Model		ISS-7100		ISS-7200	
Temp.	Range (°C / °F)	Amb. +10 to 80 / Amb. +18 to 176		Amb. +10 to 80 / Amb. +18 to 176	
	Fluctuation at 37°C in flask (±°C / °F)	0.1 / 0.18			
	Variation at 37°C in flask (±°C / °F)	0.5 / 0.90			
Shaking system	Motion type	Orbital			
	Amplitude size (mm / inch, dia.)	25.4 / 1		50.8 / 2	
	Speed range (rpm)	30 to 400 (stackable ² : 30 to 250)		30 to 300 (stackable ² : 30 to 200)	
	Accuracy	±1 % of set speed (>100rpm) / ±1 (≤100rpm)			
	Timer	1 min. to 999 hr 59 min.			
Dimension	Max. Load (kg / lbs)	20 / 44.1 at 400 rpm 15 / 33.1 at 250 rpm (stacked) 20 / 33.1 at 200 rpm (stacked)		20 / 44.1 at 300 rpm 15 / 33.1 at 200 rpm (stacked) 20 / 44.1 at 150 rpm (stacked)	
	Volume (L / cu ft)	198 / 7.0			
	Platform (WxD, mm / inch)	755x520 / 29.7x20.5			
	Interior (WxDxH, mm / inch)	809x624x393 / 31.9x24.6x15.5			
	Exterior ¹ (WxDxH, mm / inch)	1310x996x755 / 51.6x39.2x29.7			
Net weight (kg / lbs)		365 / 804.7		365 / 804.7	
Electrical requirements (230V)		60Hz, 3.7A		60Hz, 3.7A	
Cat. No.		AAH238131K		AAH239131K	
Electrical requirements (120V)		60Hz, 7.1A		60Hz, 7.1A	
Cat. No.		AAH238115U		AAH239115U	

* Temp. change may occur during automatic defrost. (for ISS-7100R/7200R) * FDA establishment registered company. FDA listed products.

1) Main body dimension with retractable foot caster. 2) Stacked with stand or products.



Intuitive touch screen LCD with easy icons

Automatic run after power interruption

Built-in RS-232 port and USB port for datalog

Shaking Timer range

• 1 min to 999 hr 59 min

Audible/Visible alarm activated by shaking speed deviation

Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity

High-velocity fan ensures uniform temp. distribution

Shaker protection system against over-current

Microprocessor PID control and auto-tuning

Three point temperature calibration

Triple independent temperature monitor system

- Temperature deviation alarm (High/Low)
- Electronic temperature limiter (High/Low)
- Mechanical over-temperature limiter (High)

Large shaking capacity chamber allows user to freely organize different size of samples

Maximize your space with our triple stackable incubated shaker

Lift up opening door and slide out platform enables easy sample handling

Optional stand is available and highly recommended for comfort use (optional)

Wide speed range even with heavy workload by built in DD (Direct Drive) Brushless Motor and triple cam system

Stopping the shaking platform always at the same position

Smooth start and stop function prevents chemical spills

Viewing window with bright LED lamps

Easy-access drain system with a quick disconnect valve

Unit comes with retractable foot caster

STANDARD

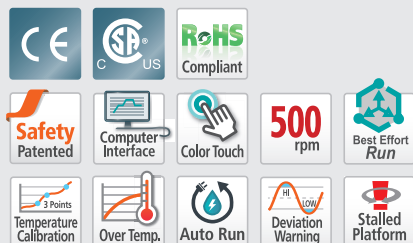
- Stacking kits
- Retractable foot caster

Incubated Shakers

ISS-3075/4075 (Amb. +5 to 80°C, 20 to 500 rpm)

Specially designed to be double-stacked on the floor or located on the lab benches for space saving

REMOTE CONTROL
with your **MOBILE DEVICE**



ISS-3075 with the optional universal attachment and dedicated platform



ISS-4075 with the optional dedicated platform

Model		ISS-3075		ISS-4075	
Temperature	Range (°C / °F)	Amb. +5 to 80 / Amb. +9 to 176		Amb. +5 to 80 / Amb. +9 to 176	
	Fluctuation at 37°C in flask (±°C / °F)	0.1 / 0.18			
	Variation at 37°C in flask (±°C / °F)	0.5 / 0.90			
	Refrigerator (Hp)	-		-	
Shaking system	Motion type	Orbital			
	Amplitude size (mm / inch, dia.)	19.1 / 0.75			
	Speed range (rpm)	20 to 500 (stackable : 20 to 250)			
	Accuracy	±1% of set speed (>100rpm) / ±1 (≤100rpm)			
	Timer	1 min. to 999 hr 59 min.			
	Max. Load (kg / lbs)	10 / 22.0 at 500 rpm, 15 / 33.1 at 400 rpm, 15 / 33.1 at 250 rpm (stacked)		10 / 22.0 at 500 rpm 21 / 46.3 at 400 rpm 21 / 46.3 at 250 rpm (stacked)	
Dimension	Volume (L / cu ft)	80 / 2.8		150 / 5.3	
	Platform (WxD, mm / inch)	350x350 / 13.8x13.8		450x450 / 17.7x17.7	
	Interior (WxDxH, mm / inch)	440x440x418 / 17.3x17.3x16.5		540x540x518 / 21.3x21.3x20.4	
	Exterior (WxDxH, mm / inch)	578x815x854 / 22.8x32.1x33.6		678x895x934 / 26.7x35.2x36.8	
	No. of wire shelf (standard / max.)	2 / 8		2 / 11	
Net weight (kg / lbs)		153 / 337.3		183 / 403.4	
Electrical requirements (230V)		60Hz, 6.2A		60Hz, 6.2A	
Cat. No.		AAH23431K		AAH23631K	
Electrical requirements (120V)		60Hz, 9.5A		60Hz, 9.5A	
Cat. No.		AAH23415U		AAH23615U	

※ Temp. change may occur during automatic defrost. (for ISS-3075R/4075R) ※ FDA establishment registered company. FDA listed products.



Intuitive touch screen LCD with easy icons

Automatic run after power interruption

Built-in RS-232 port and USB port for datalog

ShakingTimer range
• 1 min to 999 hr 59 min

Audible/Visible alarm activated by shaking speed deviation

Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity

Temperature and shaking speed deviation alarm

Shaker protection system against over-current, stalled platform check

Microprocessor PID control and auto-tuning

Three point temperature calibration

Triple independent temperature monitor system

- Temperature deviation alarm (High/Low)
- Electronic temperature limiter (High/Low)
- Mechanical over-temperature limiter (High)

Chambers stackable, up to two levels

Wide speed range even with heavy workload by built in the maintenance-free BLDC motor

Stopping the shaking platform always at the same position, beneficial for automated dosing or sampling

Smooth start and stop function prevents chemical spills

Clear observation of samples without affecting inner hamber's environment by the viewing window with bright LED lamps

Easy-access drain system with a quick disconnect valve

Two wire shelves are provided as standard accessories

Corrosion resistance stainless steel interior

High-velocity fan ensures uniform temp. distribution

Retractable foot caster, beneficial for easy mobility during installation or relocation (optional)

Built-in electrical outlet with a safety cover inside the chamber

STANDARD

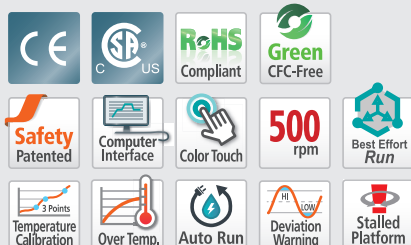
• 2 wire shelves

Incubated Shakers with refrigerator

IST-3075R/4075R (Amb. -15 [Min. 15] to 80°C, 20 to 500 rpm)

Digital incubating/ refrigerating benchtop shakers

Transparent lid offers great visibility and gas spring supports ensure hand-down handling of the samples by allowing immediate and easy access to your samples.



REMOTE CONTROL
with your **MOBILE DEVICE**



IST-3075R with the optional dedicated platform IST-4075R with the optional universal attachment

Model		IST-3075R		IST-4075R	
Temperature	Range (°C / °F)	Amb. -15 (Min. 15) to 80 / Amb. -27 (Min. 27) to 176		Amb. -15 (Min. 15) to 80 / Amb. -27 (Min. 27) to 176	
	Fluctuation at 37°C in flask (±°C / °F)	0.1 / 0.18			
	Variation at 37°C in flask (±°C / °F)	0.5 / 0.90			
	Refrigerator (Hp)	1 / 6 HBP		1 / 6 HBP	
Shaking system	Motion type	Orbital			
	Amplitude size (mm / inch, dia.)	19.1 / 0.75			
	Speed range (RPM)	20 to 500			
	Accuracy	±1% of set speed (>100rpm) / ±1 (≤100rpm)			
	Timer	1 min. to 999 hr 59 min.			
	Max. load (kg / lbs)	10 / 22.0 at 500 rpm, 15 / 33.1 at 400 rpm		14 / 30.9 at 500 rpm, 21 / 46.3 at 400 rpm	
Dimension	Volume (L / cu ft)	53 / 1.9		83 / 2.9	
	Platform (WxD) (mm / inch)	350x350 / 13.8x13.8		450x450 / 17.7x17.7	
	Interior (WxDxH) (mm / inch)	410x410x320 / 16.1x16.1x12.6		510x510x320 / 20.1x20.1x12.6	
	Exterior (WxDxH) (mm / inch)	440x785x510 / 17.3x30.9x20.1		540x 890 x510 / 21.3x35x20.1	
	Net weight (Kg / lbs)	73 / 160.9		90 / 198.4	
Electrical requirements (230V)		60Hz, 5.5A	50Hz, 5.5A	60Hz, 5.5A	50Hz, 5.5A
Cat. No.		AAH23511K		AAH23711K	
Electrical requirements (120V)		60Hz, 10.1A		60Hz, 10.1A	
Cat. No.		AAH23565U		AAH23765U	

* FDA establishment registered company. FDA listed products.

Intuitive touch screen LCD with easy icons

Automatic run after power interruption

Built-in RS-232 port and USB port for datalog

ShakingTimer range

• 1 min to 999 hr 59 min

Audible/Visible alarm activated by shaking speed deviation

Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity

Temperature and shaking speed deviation alarm

Shaker protection system against over-current, stalled platform check

Microprocessor PID control and auto-tuning

Three point temperature calibration

Mechanical over-temperature protection devices

Wide speed range even with heavy workload by built in the maintenance-free BLDC motor

Stopping the shaking platform always at the same position, beneficial for automated dosing or sampling

Smooth start and stop function prevents chemical spills

Transparent acryl lid with bright LED lamps for wide sample monitoring and gas spring lid for convenient sample loading

Corrosion resistance stainless steel interior

High-velocity fan ensures uniform temp. distribution

Environment-friendly CFC-free refrigerant



Accessories

For further information, please visit www.jeiotech.com

Incubated Shakers with refrigerator

ISF-7100R/7200R (Amb. -20 [Min. 4] to 80°C, 30 to 500/300 rpm)

Large capacity up to five 6L flasks and heavy workload shaking with rapid heating and cooling performance.

REMOTE CONTROL
with your **MOBILE DEVICE**



Model		ISF-7100R	ISF-7200R
Temperature	Range (°C / °F)	Amb. -20 (Min. 4) to 80 / Amb. -36 (Min. 7.2) to 176	Amb. -20 (Min. 4) to 80 / Amb. -36 (Min. 7.2) to 176
	Fluctuation at 37°C in flask (±°C / °F)	0.1 / 0.18	
	Variation at 37°C in flask (±°C / °F)	0.5 / 0.90	
	Refrigerator (Hp)	1/6Hp	1/6Hp
Shaking system	Motion type	Orbital	
	Amplitude size (mm / inch, dia.)	25.4 / 1	50.8 / 2
	Speed range (rpm)	30 to 500	30 to 300
	Accuracy	±1% of set speed (>100rpm) / ±1 (≤100rpm)	
	Timer	1 min. to 999 hr 59 min.	
	Max. load (kg / lbs)	15 / 33.1 at 500 rpm 25 / 55.1 at 400 rpm 35 / 77.2 at 300 rpm	20 / 44.1 at 300 rpm 35 / 77.2 at 200 rpm
Dimension	Volume (L / cu ft)	270 / 9.5	
	Platform (WxD) (mm / inch)	755x520 / 29.7x20.5	
	Interior (WxDxH) (mm / inch)	894x634x480 / 35.2x25x18.9	
	Exterior (WxDxH) (mm / inch)	1128x854x1035 / 44.4x33.6x40.8	
	Net weight (Kg / lbs)	287 / 632.7	
Electrical requirements (230V)		60Hz, 5.6A	50Hz, 5.6A
Cat. No.		AAH23542K	AAH23541K
Electrical requirements (120V)		60Hz, 10A	60Hz, 10A
Cat. No.		AAH23575U	AAH23675U

※ Temp. change may occur during automatic defrost. (for ISF-7100R/7200R) ※ FDA establishment registered company. FDA listed products.

	<p>Intuitive touch screen LCD with easy icons</p> <p>Automatic run after power interruption</p> <p>Built-in RS-232 port and USB port for datalog</p> <p>ShakingTimer range</p> <ul style="list-style-type: none"> • 1 min to 999 hr 59 min <p>Audible/Visible alarm activated by shaking speed deviation</p> <p>Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity</p>	<p>Temperature and shaking speed deviation alarm</p> <p>Shaker protection system against over-current</p> <p>Microprocessor PID control and auto-tuning</p> <p>Three point temperature calibration</p> <p>Triple independent temperature monitor system</p> <ul style="list-style-type: none"> • Temperature deviation alarm (High/Low) • Electronic temperature limiter (High/Low) • Mechanical over-temperature limiter (High) 	<p>Wide speed range even with heavy workload by built in DD(Direct Drive) Brushless Motor and triple cam system</p> <p>Stopping the shaking platform always at the same position, beneficial for automated dosing or sampling</p> <p>Smooth start and stop function prevents chemical spills</p> <p>The gentle inclined top lid with viewing window and bright LED lamp provide easy sample monitoring and easy sample loading in the chamber.</p>	<p>Easy-access drain system with a quick disconnect valve</p> <p>Air-tight silicone door seal with lockable door for safe storage of samples.</p> <p>Corrosion resistance stainless steel interior</p> <p>High-velocity fan ensures uniform temp. distribution</p> <p>Environment-friendly CFC-free refrigerant</p>
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Accessories

For further information, please visit www.jeioTech.com

Incubated Shakers with refrigerator

ISS-7100R/7200R (Amb. -20 [Min. 4] to 80°C, 30 to 400/300 rpm)

Stackable up to three units for maximum utilization of lab spaces.

Multi-purpose incubated shakers feature a wide range of temperature control and large chamber volume.

REMOTE CONTROL
with your **MOBILE DEVICE**



ISS-7100R with the optional accessories ISS-7200R with the optional accessories



Model		ISS-7100R		ISS-7200R	
Temp.	Range (°C / °F)	Amb. -20 (Min. 4) to 80 / Amb. -36 (Min. 72) to 176		Amb. -20 (Min. 4) to 80 / Amb. -36 (Min. 72) to 176	
	Fluctuation at 37°C in flask (±°C / °F)	0.1 / 0.18			
	Variation at 37°C in flask (±°C / °F)	0.5 / 0.90			
	Refrigerator (Hp)	1/6Hp		1/6Hp	
Shaking system	Motion type	Orbital			
	Amplitude size (mm / inch, dia.)	25.4 / 1		50.8 / 2	
	Speed range (rpm)	30 to 400 (stackable ²⁾ : 30 to 250)		30 to 300 (stackable ²⁾ : 30 to 200)	
	Accuracy	±1 % of set speed (>100rpm) / ±1 (≤100rpm)			
	Timer	1 min. to 999 hr 59 min.			
	Max. Load (kg / lbs)	20 / 44.1 at 400 rpm 15 / 33.1 at 250 rpm (stacked) 20 / 33.1 at 200 rpm (stacked)		20 / 44.1 at 300 rpm 15 / 33.1 at 200 rpm (stacked) 20 / 44.1 at 150 rpm (stacked)	
Dimension	Volume (L / cu ft)	198 / 7.0		375 / 826.7	
	Platform (WxD, mm / inch)	755x520 / 29.7x20.5			
	Interior (WxDxH, mm / inch)	809x624x393 / 31.9x24.6x15.5			
	Exterior ¹⁾ (WxDxH, mm / inch)	1310x996x755 / 51.6x39.2x29.7			
	Net weight (kg / lbs)	375 / 826.7			
Electrical requirements (230V)		60Hz, 5.6A		60Hz, 5.6A	
Cat. No.		AAH238231K		AAH239231K	
Electrical requirements (120V)		60Hz, 10A		60Hz, 10A	
Cat. No.		AAH238215U		AAH239215U	

* Temp. change may occur during automatic defrost. (for ISS-7100R/7200R) * FDA establishment registered company. FDA listed products.

1) Main body dimension with retractable foot caster. 2) Stacked with stand or products.



Intuitive touch screen LCD with easy icons

Automatic run after power interruption

Built-in RS-232 port and USB port for datalog

ShakingTimer range

- 1 min to 999 hr 59 min

Audible/Visible alarm activated by shaking speed deviation

Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity

High-velocity fan ensures uniform temp. distribution

Shaker protection system against over-current

Microprocessor PID control and auto-tuning

Three point temperature calibration

Triple independent temperature monitor system

- Temperature deviation alarm (High/Low)
- Electronic temperature limiter (High/Low)
- Mechanical over-temperature limiter (High)

Large shaking capacity chamber allows user to freely organize different size of samples

Maximize your space with our triple stackable incubated shaker

Lift up opening door and slide out platform enables easy sample handling

Optional stand is available and highly recommended for comfort use (optional)

Environment-friendly CFC-free refrigerant

Wide speed range even with heavy workload by built in DD (Direct Drive) Brushless Motor and triple cam system

Stopping the shaking platform always at the same position

Smooth start and stop function prevents chemical spills

Viewing window with bright LED lamps

Easy-access drain system with a quick disconnect valve

Unit comes with retractable foot caster

STANDARD

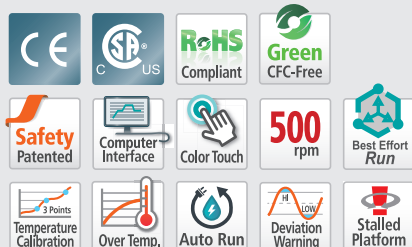
- Stacking kits
- Retractable foot caster

Incubated Shakers with refrigerator

ISS-3075R/4075R (Amb. -20 [Min. 4] to 80°C, 20 to 500 rpm)

Multi-purpose incubated shakers feature a wide range of temperature control and large chamber volume

REMOTE CONTROL
with your MOBILE DEVICE



ISS-3075R with the optional universal attachment and dedicated platform



ISS-4075R with the optional dedicated platform

Model		ISS-3075R		ISS-4075R	
Temperature	Range (°C / °F)	Amb. -20 (Min. 4) to 80 / Amb. -36 (Min. 72) to 176		Amb. -20 (Min. 4) to 80 / Amb. -36 (Min. 72) to 176	
	Fluctuation at 37°C in flask (±°C / °F)	0.1 / 0.18			
	Variation at 37°C in flask (±°C / °F)	0.5 / 0.90			
	Refrigerator (Hp)	1/6Hp		1/6Hp	
Shaking system	Motion type	Orbital			
	Amplitude size (mm / inch, dia.)	19.1 / 0.75			
	Speed range (rpm)	20 to 500 (stackable : 20 to 250)			
	Accuracy	±1% of set speed (>100rpm) / ±1 (≤100rpm)			
	Timer	1 min. to 999 hr 59 min.			
	Max. Load (kg / lbs)	10 / 22.0 at 500 rpm 15 / 33.1 at 400 rpm 15 / 33.1 at 250 rpm (stacked)		10 / 22.0 at 500 rpm 21 / 46.3 at 400 rpm 21 / 46.3 at 250 rpm (stacked)	
Dimension	Volume (L / cu ft)	80 / 2.8		150 / 5.3	
	Platform (WxD, mm / inch)	350x350 / 13.8x13.8		450x450 / 17.7x17.7	
	Interior (WxDxH, mm / inch)	440x440x418 / 17.3x17.3x16.5		540x540x518 / 21.3x21.3x20.4	
	Exterior (WxDxH, mm / inch)	578x815x854 / 22.8x32.1x33.6		678x895x934 / 26.7x35.2x36.8	
	No. of wire shelf (standard / max.)	2 / 8		2 / 11	
Net weight (kg / lbs)		160 / 352.7		190 / 418.9	
Electrical requirements (230V)		60Hz, 7.9A		60Hz, 7.9A	
Cat. No.		AAH23531K		AAH23731K	
Electrical requirements (120V)		60Hz, 13A		60Hz, 13A	
Cat. No.		AAH23515U		AAH23715U	

※ Temp. change may occur during automatic defrost. (for ISS-3075R/4075R) ※ FDA establishment registered company. FDA listed products.

Intuitive touch screen LCD with easy icons

Automatic run after power interruption

Built-in RS-232 port and USB port for datalog

ShakingTimer range

• 1 min to 999 hr 59 min

Audible/Visible alarm activated by shaking speed deviation

Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity

Temperature and shaking speed deviation alarm

Shaker protection system against over-current, stalled platform check

Microprocessor PID control and auto-tuning

Three point temperature calibration

Triple independent temperature monitor system

- Temperature deviation alarm (High/Low)
- Electronic temperature limiter (High/Low)
- Mechanical over-temperature limiter (High)

Chambers stackable, up to two levels

Wide speed range even with heavy workload by built in the maintenance-free BLDC motor

Stopping the shaking platform always at the same position, beneficial for automated dosing or sampling

Smooth start and stop function prevents chemical spills

Clear observation of samples without affecting inner chamber's environment by the viewing window with bright LED lamps

Easy-access drain system with a quick disconnect valve

Two wire shelves are provided as standard accessories

Corrosion resistance stainless steel interior

High-velocity fan ensures uniform temp. distribution

Retractable foot caster, beneficial for easy mobility during installation or relocation (optional)

Built-in electrical outlet with a safety cover inside the chamber.

Environment-friendly CFC-free refrigerant

STANDARD

- 2 wire shelves

Mini Shaker

CMS-350 (50 to 300 rpm)

Compact and lightweight design
for space saving and portability
with a real-time responsive
speed control knob



CMS-350 with the optional universal platform and flask clamps



Model		CMS-350
Control system		PID feedback control
Display		VFD
Shaking system	Motion type	Orbital
	Speed range (rpm)	50 to 300
	Accuracy at 100 rpm	±5
	Timer	1min. to 99hr. 59min.
	Orbit size (mm / inch, dia)	13 / 0.51
Dimension	Max. load (kg / lbs)	up to 5.2 / 11.46
	Tray (WxD) (mm / inch)	276×276 / 10.87×10.87
	Platform (WxD) (mm / inch)	250×250 / 9.8×9.8
	Body ¹⁾ (WxDxH) (mm / inch)	249×325×109 / 9.8×12.8×4.3
	Net weight (kg / lbs)	8 / 17.6
Electrical requirements		AC 100 ~ 240 V, 50 / 60 Hz
Cat. No.	KR Plug	AAH3B1115K
	US Plug	AAH3B1115U

1) Main body dimension without accessories.

※ Permissible environmental conditions: temperature (5-40°C) and relative humidity (up to 80%).

※ FDA establishment registered company. FDA listed products.



Microprocessor PID control

Suitable for low rpm sensitive applications

Speed range: 50 to 300 rpm

One-touch timer for time-dependent shaking operations
(1 min to 99 hour 59 min)

Orbit size: 13mm dia. (0.51" dia.)

Digital VFD display for speed and shaking motion

Equipped with a maintenance-free BLDC motor to generate smooth, quiet, uniform, and yet powerful shaking motion

Vivid and colorful vacuum fluorescent display (VFD) with touch-sensitive keypad

Compact and lightweight design allowing for use inside chambers

Removable tray for easy transport of well-plates
(Max. 6 ea) and dishes (optional)

Its polypropylene main body is highly chemical-resistant and easy-to-clean

Various accessories

Accessories

For detailed information of accessories, please refer to the page 22-25.

Microplate Shaker

CPS-350 (150 to 1200 rpm)

Fitted with 4 microplates and wider speed range to accommodate various sample testing



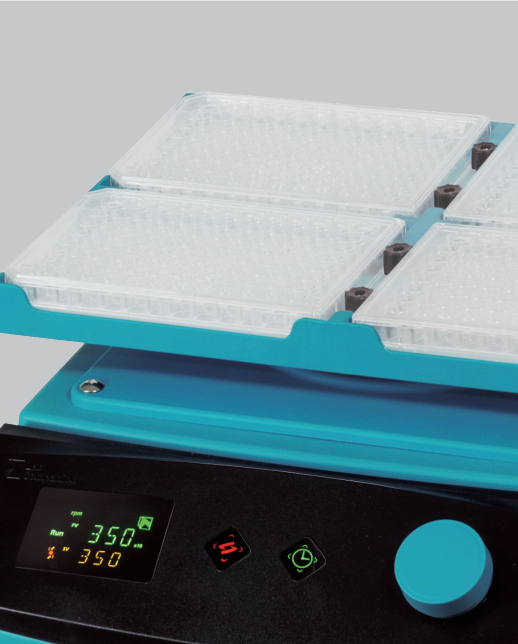
CPS-350 with the optional micro-tube racks

Model		CPS-350
Control system		PID feedback control
Display		VFD
Shaking system	Motion type	Orbital
	Speed range (rpm)	150 to 1,200
	Accuracy at 500 rpm	±15
	Timer	1min. to 99hr. 59min.
	Orbit size (mm / inch, dia)	3 / 0.12
	Max. load (kg / lbs)	4 / 8.8
Dimension	Tray (WxD) (mm /inch)	269×185 / 10.6×7.3
	Body ¹⁾ (WxDxH) (mm /inch)	269×325×128 / 10.6×12.8×5.0
	Net weight (kg / lbs)	7.7 / 17
Electrical requirements		AC 100 ~ 240 V, 50/60 Hz
Cat. No.	KR Plug	AAH3C1115K
	US Plug	AAH3C1115U

1) Main body dimension without accessories.

※ Permissible environmental conditions: temperature (5-40°C) and relative humidity (up to 80%).

※ FDA establishment registered company. FDA listed products.



Microprocessor PID control

One-touch timer for time-dependent shaking operations
(1 min to 99 hour 59 min)

Smooth start feature to avoid sample contamination

Orbital size: 3 mm (0.12")

- Automatic shut down:
Overload (max. load: 4kg)

Digital VFD display for speed and shaking motion

Equipped with a maintenance-free BLDC motor to generate smooth, quiet, uniform, and yet powerful shaking motion

Vivid and colorful vacuum fluorescent display (VFD) with touch-sensitive keypad

Compact and lightweight design allowing for use inside chambers

Its polypropylene main body is highly chemical-resistant and easy-to-clean

Various accessories

- Optional tube racks also available for 1.5ml microtubes, 15ml conical tubes, and 50ml conical tubes

Accessories

For detailed information of accessories, please refer to the page 22-25.

Rocking Shaker / Waving Shaker

CRS-350 (5 to 100 rpm) / CWS-350 (8 to 100 rpm)

Rocking Shaker

Adjustable tilt angle and precise digital speed control providing desired rocking motion

Waving Shaker

Enhanced conveniences for tilt adjustment, removable tray, and digital controlling

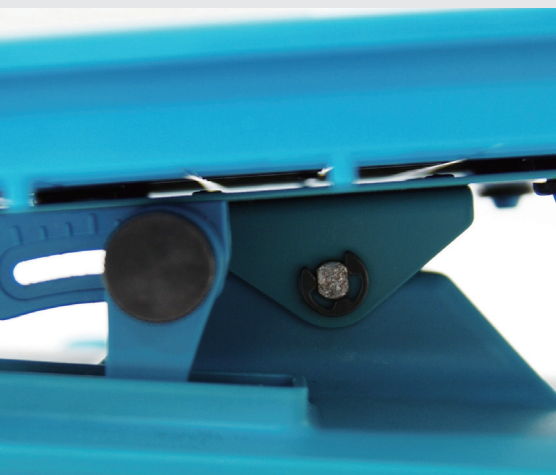


Model		CRS-350	CWS-350
Control system		PID feedback control	
Display		VFD	
Shaking system	Motion type	Rocking	Waving
	Speed range (rpm)	5 to 100	8 to 100
	Accuracy at 100 rpm	±5	
	Tilt angle	7 to 13°	0 to 13°
	Max. load (kg / lbs)	5 / 11.02	
Material	Dimpled mat (standard)	PP(polypropylene), Silicone	
	Body	PP(polypropylene)	
Dimension	Tray (W×D) (mm / inch)	276×276 / 10.87×10.87	
	Body ¹⁾ (W×D×H) (mm / inch)	249×325×138 / 9.8×12.8×5.4	
	Net weight (kg / lbs)	3.7 / 8.16	
Electrical requirements		AC 100 ~ 240 V, 50/60 Hz	
Cat. No.	KR Plug	AAH391115K	AAH381115K
	US Plug	AAH391115U	AAH381115U

1) Main body dimension without accessories.

※ Permissible environmental conditions: temperature (5-40°C) and relative humidity (up to 80%).

※ FDA establishment registered company. FDA listed products.



Microprocessor PID control

Digital speed control providing gentle to vigorous motion

Max. speed up to 100 rpm

Easy to adjust tilt angle

- 7 to 13° for CRS-350
- 0 to 13° for CWS-350

One-touch timer range
(1 min to 100 hr)

Smooth, quiet, uniform, and yet powerful shaking motion

Vivid and colorful vacuum fluorescent display (VFD) with touch-sensitive keypad

Compact and lightweight design allowing for use inside chambers

Three types of removable rubber mat for easy transport of well-plates, test tubes, etc. (included Dimpled mat, and optional Rubber mat, Universal harness)



- Dimpled Mat (Tray, Silicone pad), 2 Rubber Bands

Heating Shaker

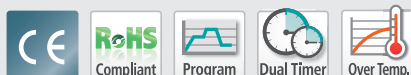
CBS-350 (150 to 1500 rpm)

Useful for a variety of molecular biology applications

Interval mix function in program mode can be properly set according to user's experimental conditions



CBS-350 with the optional tube block set

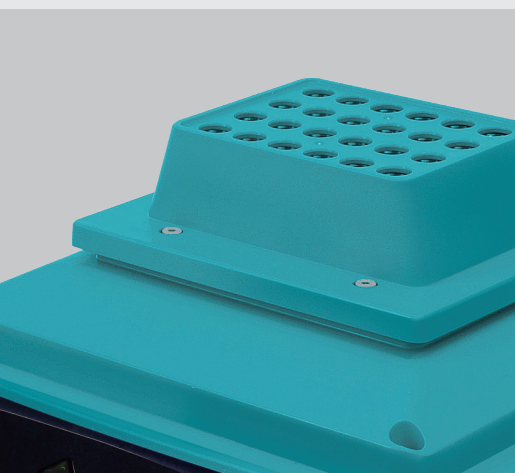


Model		CBS-350	
Control		PID feedback control	
Display		VFD (0.1°C resolution)	
Temperature	Range (°C / °F)	Amb. +5 to 100 / 41 to 212	
	Fluctuation at 80°C (±°C / °F)	0.5 / 0.9	
	Variation at 80°C (±°C / °F)	0.15 / 0.27	
	Heating power (W)	360	
Safety	Over temp.	Heating plate PCB	
	Over current	Current limit protection	
Shaking system (WxDxH)	Motion type	Orbital	
	Speed range (rpm)	96-well tube block	150 to 1500
		0.5mL tube block	150 to 1000
		1.5mL tube block	150 to 1000
		15mL tube block	150 to 900
		Ø12 tube block	150 to 850
		Ø13 tube block	150 to 850
		50mL tube block	150 to 800
	Orbit size (mm / inch, dia.)	2 / 0.08	
Dimension (WxDxH)	Body ¹⁾ (mm/inch)	249 x 325 x 120 / 9.8 x 12.8 x 4.7	
	Net weight (Kg / lbs)	8.3 / 18.3	
Electrical requirements (230V,50Hz/60Hz)		1.7A	
Cat. No.		AAHJ4015K	
Electrical requirements (120V,60Hz)		3.4A	
Cat. No.		AAHJ4013U	

1) Main body dimension without accessories.

※ Permissible environmental conditions: temperature (5-40°C) and relative humidity (up to 80%).

※ FDA establishment registered company. FDA listed products.



Microprocessor PID control

Temperature calibration

Memory function of programs allowing relevant parameters (such as temp., rpm, time) of each program step to be stored

Two types of timer modes

- User can set timer to start immediately after the timer setting or only after reaching the set temp.

Smooth start feature

Equipped with a maintenance-free BLDC motor to generate smooth, quiet, uniform, and yet powerful shaking motion

Vivid and colorful vacuum fluorescent display (VFD) with touch-sensitive keypad

Optimal heat transfer is achieved by the tight coupling design of the main body and the corrosion-resistant anodized aluminum blocks

Compact and lightweight design allowing for use inside chambers

Low-profile design with rubber feet for minimal vibration and noise

Blocks can be easily interchanged by the included block lifter

Accessories

For detailed information of accessories, please refer to the page 22-25.

Separatory Funnel Shaker

RS-1 (50 to 300 rpm)

Intensive vertical reciprocating agitation for quick solvent extraction

Shaking up to 6 samples in identical conditions for any series or comparative protocols in chemistry, biotech, and medical labs



Model		RS-1
Shaking system	Motion type	Vertical reciprocating
	Speed range (rpm)	50 to 300
	Timer	60 min or continuous operation
	Vertical stroke length (mm / inch)	40 / 1.6
Dimension	Exterior (WxDxH) (mm / inch)	445×730×505 / 17.5×28.7×19.9
	Max. load per each side (kg / lbs)	3 / 6.6
	Net weight (Kg / lbs)	53 / 116.8
Electrical requirements (230V)		50Hz, 0.4A 60Hz, 0.4A
Cat. No.		AAH32012K AAH32015K

※ Permissible environmental conditions: temperature (5-40°C) and relative humidity (up to 80%).
※ FDA establishment registered company. FDA listed products.



Vertical reciprocating motion with maximum stroke length of 40mm (1.6")

Easy to operate

Wide speed range (50 to 300 rpm) suitable for most applications

Timer range
(0 to 60 min / continuous)

Digital LED speed indicator

Audible alarm and automatic shut down at the end of each shaking session

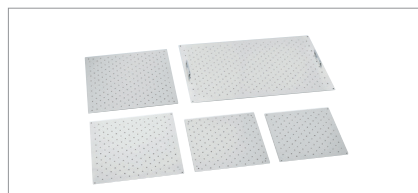
Easily adjustable funnel holders

Maximum number of funnels installable: 10
(up to 5 holders per each side)

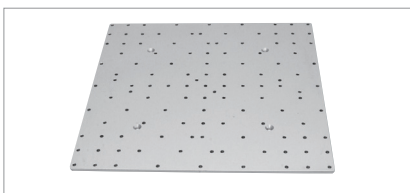
STANDARD

- Funnel Holder 6 Sets
(ordering information - Cat. No.: AAA32501)

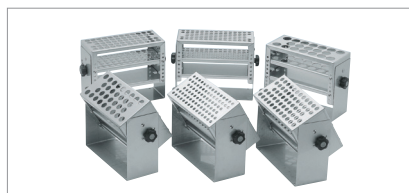
for Open-air Shakers (OS models) / Mini Shaker



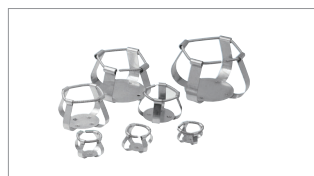
Universal platforms (OS models)



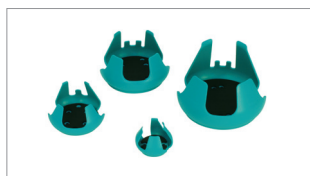
Universal platform (CMS-350)



Test tube racks



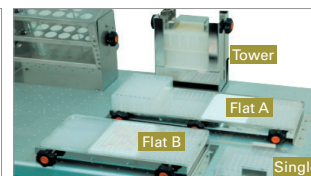
Flask clamps (stainless steel)



Flask clamps (plastic)



Funnel clamps



Microplate holders
(universal platform is optional)

Description			Model	OS-2000	OS-3000	OS-4000	OS-7100 OS-7200	CMS-350
			Platform size	320x260mm / 13.8x10.2"	350x350mm / 13.8x13.8"	450x450mm / 17.7x17.7"	755x520mm / 29.7x20.5"	276x276mm / 10.9x10.9"
Universal platform			AAA3A501-V2	AAA23501-V3	AAA23502-V3	AAA23503-V3	AAA3B501	
Flask clamps (Stainless steel)	Erlenmeyer flask size		Max. mountable flask clamps					
	for 50 ml	AAA23550	20	36	49	88	16	
	for 100 ml	AAA23551	16	28	39	68	9	
	for 250 ml	AAA23552	8	14	24	39	9	
	for 300 ml	AAA23556	8	14	24	39	9	
	for 500 ml	AAA23553	6	10	16	28	5	
	for 1L	AAA23554	3	6	9	18	4	
	for 2L	AAA23555	-	4	6	11	1	
	for 2.8L	AAA23557	-	3	5	8	-	
for 4L	AAA23558	-	1	4	6	-		
for 6L	AAA23559	-	1	3	5	-		
Flask clamps (plastic)	Erlenmeyer flask size		Max. mountable flask clamps					
	for 50 ml	AAA30570	20	36	49	88	16	
	for 100 ~ 125 ml	AAA30571	12	19	29	48	9	
	for 200 ml	AAA30572	8	13	21	35	9	
	for 250 ml	AAA30573	8	13	19	35	9	
	for 300 ml	AAA30574	6	12	19	35	9	
	for 500 ml	AAA30575	6	9	12	24	5	
	for 1L	AAA30576	3	5	9	12	4	
	for 2L	AAA30577	-	4	5	8	1	
Funnel clamps	Separating funnel size		Max. mountable funnel clamps					
	for 250 ml	AAA23562	4	4	6	15	3	
	for 500 ml	AAA23563	3	3	4	10	2	
	for 1L	AAA23564	3	3	3	7	2	
	for 2L	AAA23565	-	2	2	5	-	
Test Tube Racks ¹⁾	Test tube size		Mountable capacity of racks					
	for 86 test tubes, ø8"	AAA23581	2	2	4	7	2	
	for 86 test tubes, ø10"	AAA23582						
	for 58 test tubes, ø12"	AAA23583						
	for 58 test tubes, ø14"	AAA23584						
	for 32 test tubes, ø17"	AAA23585						
	for 19 test tubes, ø25"	AAA23586						
	for 10 test tubes, ø30"	AAA23587						
	for 10 test tubes, ø35"	AAA23594						
for 4 test tubes, ø50"	AAA23593							
Microplate holders	Microplate holders type		Max. mountable microplate holders					
	Single	AAA23654	6	8	15	25	6	
	Tower	AAA23651	4	6	10	21	6	
	Flat A (large)	AAA23652	-	-	2	4	-	
	Flat B (small)	AAA23653	1	2	3	6	-	

1) No declination.

※ Above accessories need to be mounted on a universal platform which is sold separately.