



Tabletop Equipments

Hotplate Stirrer
Vortex Mixer
Overhead Stirrer
Homogenizer

DIGITAL

JSHS-18D

25 ~ 400 °C

80 ~ 1,500 rpm

Hotplate Magnetic Stirrer

**Digital Fuzzy Control**

Temperature 25 °C to 400 °C by 0.1 °C
Stirring Speed 80 rpm to 1,500 rpm
Digital Timer 1 min to 99 hour 59 min

**External Sensor**

Precise temperature control of sample
within +/- 3.0 °C accuracy

**Touch Button**

Touch-sensitive Capacitive Button

**Ceramic Hot Plate**

Chemical and scratch resistant top plate

**Jog Dial**

Easy-to-use Jog Dial Push action button

**Brushless Motor**

Brushless shade motor for powerful, steady
feedback speed control and long shelf life

**Hi-Fidelity LCD**

High-fidelity clear back light LCD display



Ordering Information ⓘ

Art. No.

Descriptions

JSHS-18D

Digital Hotplate Magnetic Stirrer 230 VAC 50/60 Hz

JSHS-18A1

Analog Hotplate Magnetic Stirrer 230 VAC 50 Hz

JSHS-18A2

Analog Hotplate Magnetic Stirrer 230 VAC 60 Hz

Optional Accessories

PHE-01T

External Temperature Probe, CA, Stainless Steel

PHE-02F

External Temperature Probe, CA, Teflon

PHE-03S

Stand Rod, Stainless Steel

PHE-04H

SET of Temperature Probe Holder, Clamp, Wire Clip



including
Pop-Off Cup Head
3" Rubber Platform
3,300 rpm

JSVX-7R Vortex Mixer



Interchangeable

Supplied with Interchangeable attachments

- 3 inch Rubber Platform Head
- Pop-Off Cup Head
- Easy Remove Applicator



Three Way Switch

Multi-Function Switch

- Continuous ON
- Touch ON
- OFF



Brushless Motor

Brushless shade motor for strong power and long shelf life



Functional Design

Suction-Cup type foot provides strong and stable attachment on the table surface and reduces vibration



Aluminum Casting Body

Rugged aluminum casting body with epoxy powder coating
Durable and rust free engineering plastic base

3" Rubber Platform



Pop-Off Cup Head



Ordering Information

Art. No.

Descriptions

JSVX-7R1

Vortex Mixer 230 VAC 50 Hz

JSVX-7R2

Vortex Mixer 230 VAC 60 Hz

including 1 ea x 3 inch Rubber Platform Head

1 ea x Pop-Off Cut Head

1 ea x Remove Applicator

Optional Accessories

PHA-01V

3 inch Rubber Platform Head

PHA-02V

Pop-Off Cup Head

PHA-03V

Remove Applicator

DIGITAL ANALOG

JSMS-D / A Series Overhead Stirrer

Low Viscosity	JSMS-070	70,000 mPas	200 Ncm	100 ~ 2000 rpm	High Speed
	JSMS-100	100,000 mPas	300 Ncm	80 ~ 1200 rpm	
High Viscosity	JSMS-150	150,000 mPas	450 Ncm	50 ~ 800 rpm	Low Speed



Ordering Information

Art. No.	Descriptions
JSMS-070D	Digital Overhead Stirrer 100 ~ 2,000 rpm 200 Ncm 70,000 mPas 230 VAC
JSMS-100D	Digital Overhead Stirrer 80 ~ 1,200 rpm 300 Ncm 100,000 mPas 230 VAC
JSMS-150D	Digital Overhead Stirrer 50 ~ 800 rpm 450 Ncm 150,000 mPas 230 VAC
JSMS-070A	Analog Overhead Stirrer ~ 2,000 rpm 200 Ncm 70,000 mPas 230 VAC 50/60 Hz
JSMS-100A	Analog Overhead Stirrer ~ 1,200 rpm 300 Ncm 100,000 mPas 230 VAC 50/60 Hz
JSMS-150A	Analog Overhead Stirrer ~ 800 rpm 450 Ncm 150,000 mPas 230 VAC 50/60 Hz

Optional Accessories

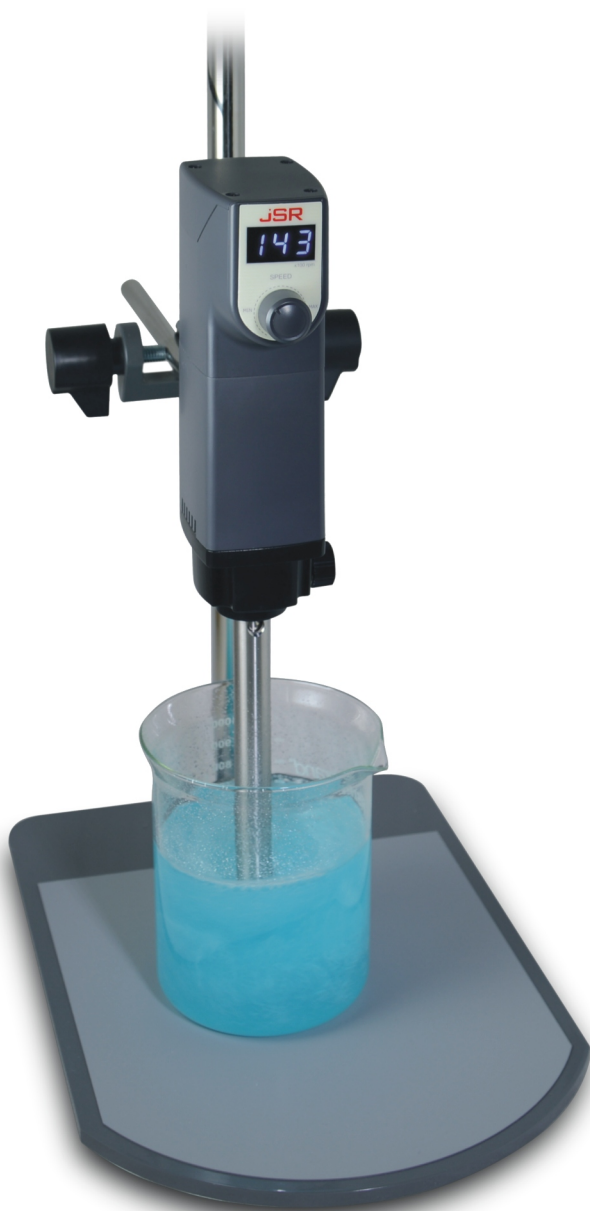
PHA-04S	Standard Plate Stand, 25 x 37 cm with Rod and Silicone Pad
PHA-05C	Clamp, Hold up to 23 mm

Impellers	Visit www.jsr.kr for more information Propeller, Diamond, Centrifugal, Anchor
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DIGITAL ANALOG

JSHR-270D / 270A Homogenizer Max. 27,000 rpm



Digital RPM Display

3-Digit Digital FND Display and Stepless Speed Control up to maximum 27,000 rpm



Brushless Motor

Brushless shade motor for high speed drive and long shelf life



Aluminum Casting Body

Rugged aluminum casting body with epoxy powder coating
Durable and rust free engineering plastic case



Dispersing Tools

High quality stainless steel dispersing tool with Teflon bearing
Choice of dispersing volume from 1 ml ~ 2500 ml



Ordering Information

Art. No.	Descriptions
JSHR-270D	Digital Homogenizer 230 VAC 50/60 Hz, 1-Phase
JSHR-270A	Analog Homogenizer 230 VAC 50/60 Hz, 1-Phase
Optional Accessories	Order Dispersing Tool separately
PHA-T0680	Dispersing Tool, Rotor Dia. 6.1 mm, Stator Dia. 8 mm for 1 ~ 50 ml liquid volume
PHA-T0710	Dispersing Tool, Rotor Dia. 7.5 mm, Stator Dia. 10 mm for 1 ~ 100 ml liquid volume
PHA-T1218	Dispersing Tool, Rotor Dia. 12.7 mm, Stator Dia. 18 mm for 10 ~ 1000 ml liquid volume
PHA-T1725	Dispersing Tool, Rotor Dia. 17.0 mm, Stator Dia. 25 mm for 50 ~ 2500 ml liquid volume
PHA-04S	Standard Plate Stand, 25 x 37 cm with Rod and Silicone Pad
PHA-05C	Clamp, Hold up to 23 mm



Temperature Controlled Chamber

Ovens

Incubators

Shaking Incubators



Autoclave / Steam Sterilizer

Autoclave

Dry Heat Sterilizer



Temperature & Humidity Controlled Chamber

Climatic Chamber



Biological Safety Cabinet Class II Type A2

Laminar Flow Safety Cabinet

BSC Cabinet



MICRO CENTRIFUGE



MICRO CENTRIFUGE

JSCF-M8

MICRO CENTRIFUGE

MAX 6,200 rpm
RCF 1,800 X g

JSCF-M8 마이크로 원심분리기는
최대 6,200 rpm / RCF 1,800 x g 로
신속하고 빠른 스핀-다운 용도에 적합하게
설계 되었으며 별도의 공구없이 손으로
손쉽게 로터를 교환할 수 있으며
0.2 ml 과 0.5 ml 튜브용
어댑터를 제공합니다



PCR 로터
PCR Strip 4줄 사용

1.5ml 튜브용 로터
0.2ml, 0.5ml 어댑터 제공

Features

제품성능 및 로터용량

최대 6,200 rpm / RCF 1,800 x g
고정앵글로터 1.5 ml or 2.0 ml x 8 holes
PCR 튜브로터 0.2 ml x 32 tubes, or 4 PCR Strips

사용편의성

공구 없이 손으로 간편하게 로터 교체
튜브어댑터로 다양한 용량의 튜브사용
스프링을 사용하여 뚜껑을 손쉽게 열 수 있음

제품의 구성

작동소음이 거의 없는 DC 모터
충격에 강한 반투명 폴리카보네이트 뚜껑
ABS 플라스틱 재질 저중심 설계 본체
미끄럼방지 고무바닥

안전장치

뚜껑이 열린상태에서 작동할수없는
2단계 안전스위치

Accessories

PHC-R08	Fixed Angle Rotor, 8 x 1.5 / 2.0ml tubes
PHC-R32	PCR Strip Rotor, 32 x 0.2ml tubes or 4 Lines x PCR Strips
PHC-A02	Tube Adapter, 8 x 0.2ml
PHC-A05	Tube Adapter, 8 x 0.5ml

Specifications

JSCF-M8

MICRO CENTRIFUGE

MAX 6,200 rpm
RCF 1,800 X g

모델

JSCF-M8

Performance Data

Max. RPM	Max. 6,200 rpm
Max. RCF	1,800 x g
Capacity	8 x 0.2 / 0.5 / 1.5 / 2.0 ml tubes 4 x 0.2 ml PCR Strips
Speed Control	Automatic / Constant speed

Rotor Configuration

Angle Rotor	8 Holes Fixed Angle Rotor for 0.5 / 1.5 / 2.0 ml micro-tubes
PCR Strip Rotor	32 Holes for 0.2 ml PCR tubes or 4 PCR Strips
Tube Adaptors	8 x 0.2ml and 8 x 0.5 ml tube adaptors

Motor

Type	DC Motor
Power	8 Watts
Rotating Direction	Clockwise

Safety Data

Safety Device	Two-Way Door Limit Switch
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Material Data

Lid	Polycarbonate
Body / Rotor	ABS

Electrical Data

Power Requirement	230 +/- 10% VAC 50/60 Hz
Nominal Power	8 Watt
Phase	1 Phase
Plug Configuration	CEE 7/7 Schuko or BS 1363

Usable Condition

Temp. & Humidity	5 °C - 40 °C, 80% RH Max.
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Ordering Information

Art. No.

JSCF-M8

Descriptions

Micro Centrifuge 6,200 rpm 230 VAC 1 ph 50/60 Hz

including

PHC-R08 Fixed Angle Rotor, 8 x 1.5 / 2.0ml tubes

PHC-R32 Fixed Angle Rotor, 32 x 0.2ml tubes or 4 Lines x PCR Strips

PHC-A02 Tube Adapter, 8 x 0.2ml

PHC-A05 Tube Adapter, 8 x 0.5ml

Accessories

PHC-R08

PHC-R08 Fixed Angle Rotor, 8 x 1.5 / 2.0ml tubes

PHC-R32

PHC-R32 Fixed Angle Rotor, 32 x 0.2ml tubes or 4 Lines x PCR Strips

PHC-A02

PHC-A02 Tube Adapter, 8 x 0.2ml

PHC-A05

PHC-A05 Tube Adapter, 8 x 0.5ml

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ORBITAL SHAKER
RECIPROCAL SHAKER



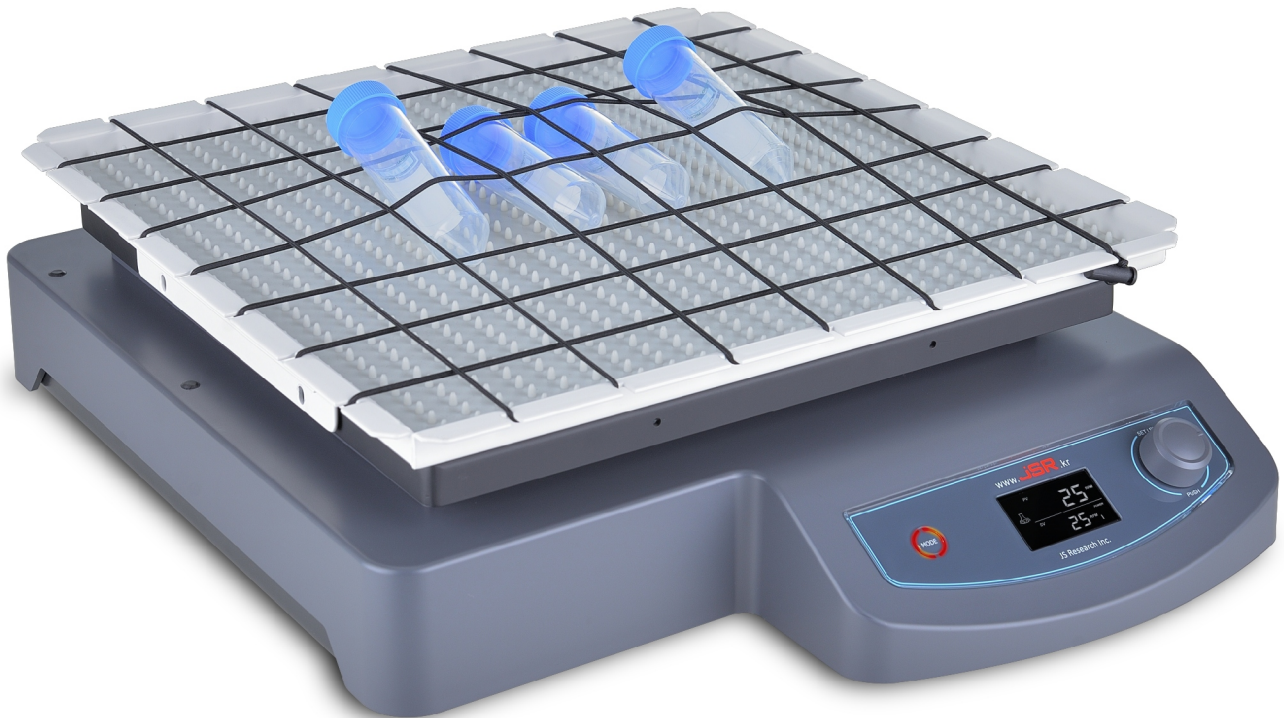
ORBITAL SHAKER
RECIPROCAL SHAKER

JSOS-350Q / 350 R

PROGRAMMABLE ORBITAL / RECIPROCAL SHAKER

MAX 300 rpm
350 x 350 mm Platform

JSOS-350Q/350R 회전/왕복 진탕기는 플라스크, 바틀, 시험관 등에 담겨진 시료를 실온의 조건에서 혼합 또는 추출하기 위하여 사용됩니다. 화학, 생명공학, 제약, 농학, 환경 분야의 시료 전처리에 다양하게 사용할 수 있습니다.



Features

제어기능

최첨단 MCU 프로세서와 Tachometer 피드백 제어로
정밀한 속도 조절.
10 단계의 속도/작동시간 프로그램을 최대 6개 까지 저장.
응답성이 뛰어난 정전방식 터치버튼은 다양한 종류의
라텍스 장갑에도 민감하게 작동됨.
사용이 간편한 조그다이얼 방식 인코더를 적용하여 속도제어,
시간설정, 작동, 멈춤, 저장 등 다양한 기능을 손쉽게 사용할 수 있음.
고휘도 그래픽 LCD 디스플레이는 작동 상황을 한눈에 파악할 수
있으며 교반속도 제어 뿐만 아니라 프로그램 작성에도 매우 편리함.

사용편의성

용도에 따라 교체 가능한 플랫폼
적재가능플라스크 수량
16ea x 50/100ml, 9ea x 250/500ml, 5ea x 1L
4ea x 2L, 2ea x 3L, 1ea x 5L
미끄럼 방지기능의 양면 모두 사용 가능한 실리콘 매트
(돌기면/평면)

제품의 성능

교반속도 10 to 300 rpm
교반진폭 20 mm orbital stroke
디지털 타이머 1min ~ 99hr 59min by 1 min
플랫폼 사이즈 W350 x D350 mm
Slow Start 기능이 장착된 강력한 모터 드라이버
조용하고 내구성이 뛰어난 BLDC 모터
최대적재중량 10 kgs

특장점

BLDC 모터
저중심 설계의 고강도 ABS 플라스틱 본체

안전장치

과부하차단장치
과전류차단장치

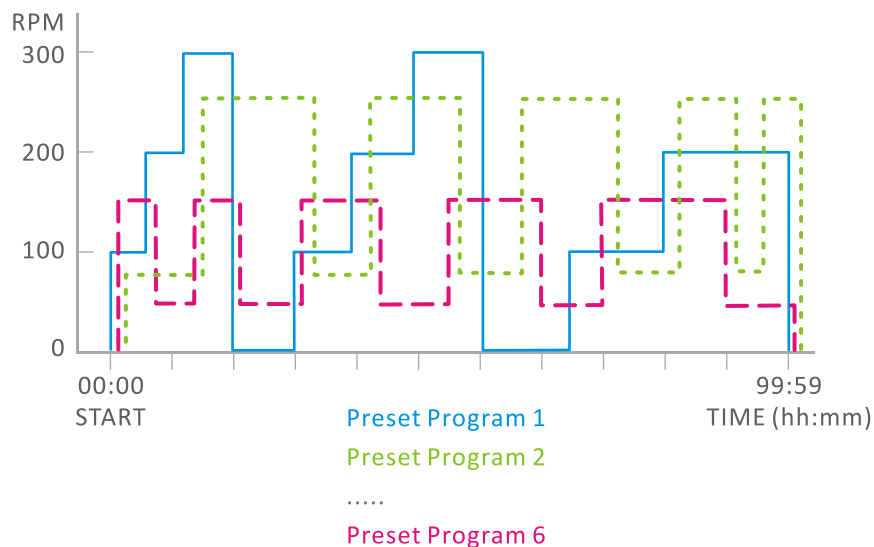
JSOS-350Q ORBITAL SHAKER

JSOS-350R RECIPROCAL SHAKER

MAX 300 rpm
Platform Size
350 x 350 mm

프로그램기능

최대 10 스텝 프로그램이 가능하며
6종류의 프로그램 패턴 저장



Accessories



PHF-P35 Universal Flask Holder Platform

W370 x D370 mm

[not including Flask Holder]

Max. 16 ea x 50/100ml

9 ea x 250/500ml

5 ea x 1L

4 ea x 2L

2 ea x 3L

1 ea x 5L



PHF-P35SET Universal Platform SET

PHF-P35 Universal Platform

PHF-M35 Silicone Mat

PHF-S35 Elastic String Band



PHF-U35 Universal Spring Rack

W350 x D350 mm

Specifications

JSOS-350Q ORBITAL SHAKER

JSOS-350R RECIPROCAL SHAKER

MAX 300 rpm
Platform Size
350 x 350 mm

Model

JSOS-350Q

JSOS-350R

Performance Data

Motion Type

Orbital

Reciprocal

Platform Dimensions (W x D)

350 x 350 mm

Speed Range

10 to 300 rpm, 1 rpm resolution

Stroke Length

20 mm

Max. Load

10 kgs

Controller

Type

Digital Fuzzy Control with Capacitive Touch Button and Jog Dial

Timer

99 hr 59 min by 1 min resolution

Display

Full Size Digital Back Light Graphic LCD Display

Program Function

6 Preset Programs, 10 Steps for each Program

Motor

Type

Brushless DC Motor

Power

45 Watt

Rotating Direction

Clockwise

Safety Data

Safety Device

Overload Protection / Over Current Protection

Material Data

Body

ABS

Platform

Aluminum / Steel

Electrical Data

Power Requirement

230 +/- 10% VAC | 50/60 Hz

Nominal Power

45 Watt

Phase

1 Phase

Plug Configuration

CEE 7/7 Schuko or BS 1363

Usable Condition

Temp. & Humidity

5 °C - 40 °C, 80% RH Max.

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Ordering Information

Art. Number	Descriptions	
JSOS-350Q	Orbital Shaker, Programmable	230 VAC 1 ph 50/60Hz
JSOS-350R	Reciprocal Shaker, Programmable	230 VAC 1 ph 50/60Hz
Accessories		
PHF-P35SET	Universal Platform Set	
	PHF-P35	Universal Flask Holder Platform [<i>not including Flask Holder</i>]
	PHF-M35	Silicone Mat
	PHF-S35	Elastic String Band
PHF-U35	Universal Spring Rack W350 x D350 mm	
PHF-P35	Universal Flask Holder Platform W370 x D370 mm [<i>not including Flask Holder</i>]	
	Max. 16ea x 50/100ml or 9ea x 250/500ml	
	or 5ea x 1L or 4ea x 2L or 2ea x 3L or 1ea x 5L	
PHF-M35	Silicone Mat W350 x D350 mm	
PHF-S35	Elastic String Band with Stopper x 2 Set	
PHF-P01	Polycarbonate Flask Holder 50 ~ 100 ml Size Adjustable	
PHF-P02	Polycarbonate Flask Holder 200 ~ 300 ml Size Adjustable	
PHF-P03	Polycarbonate Flask Holder 500 ~ 1000 ml Size Adjustable	
PHF-S01	Stainless Steel Flask Holder 100 ml	
PHF-S02	Stainless Steel Flask Holder 250 ml	
PHF-S03	Stainless Steel Flask Holder 500 ml	
PHF-S04	Stainless Steel Flask Holder 1000 ml	
PHF-S05	Stainless Steel Flask Holder 2000 ml	
PHF-T01	Test Tube Rack, 8 mm Dia. for 80 test tubes	
PHF-T02	Test Tube Rack, 10 mm Dia. for 80 test tubes	
PHF-T03	Test Tube Rack, 12 mm Dia. for 52 test tubes	
PHF-T04	Test Tube Rack, 14 mm Dia. for 52 test tubes	
PHF-T05	Test Tube Rack, 16 mm Dia. for 30 test tubes	
PHF-T06	Test Tube Rack, 25 mm Dia. for 15 test tubes	
PHF-T07	Test Tube Rack, 35 mm Dia. for 8 test tubes	

JSOS-350Q ORBITAL SHAKER

MAX 300 rpm
Platform Size
350 x 350 mm

JSOS-350R RECIPROCAL SHAKER

MAX 300 rpm
Platform Size
350 x 350 mm

DISTRIBUTOR

JSR

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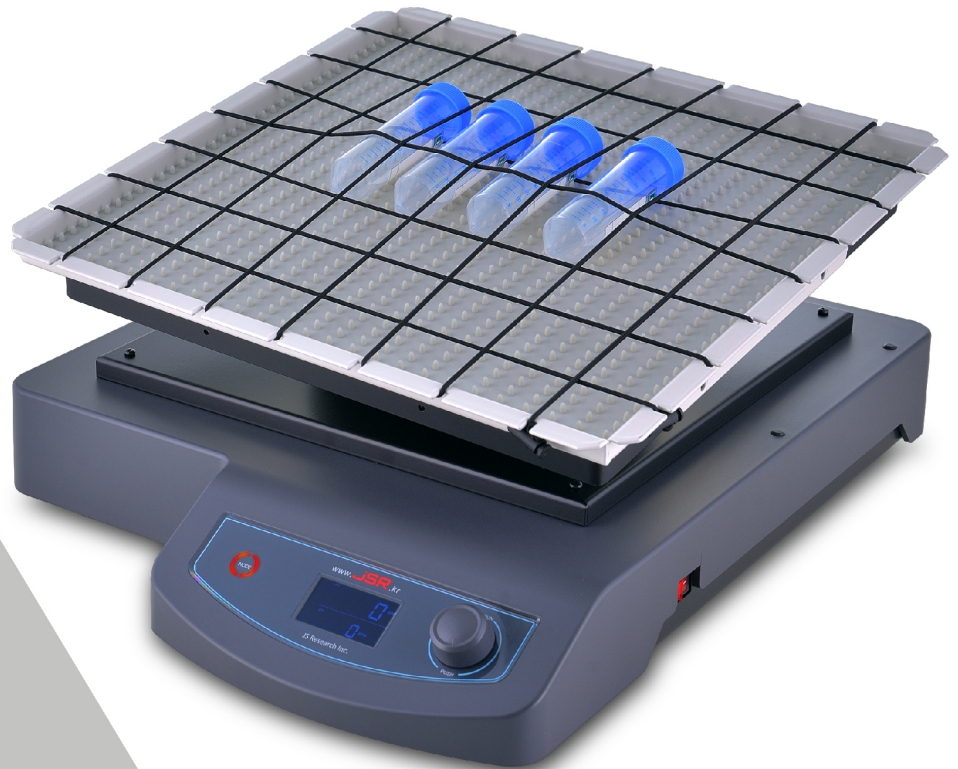
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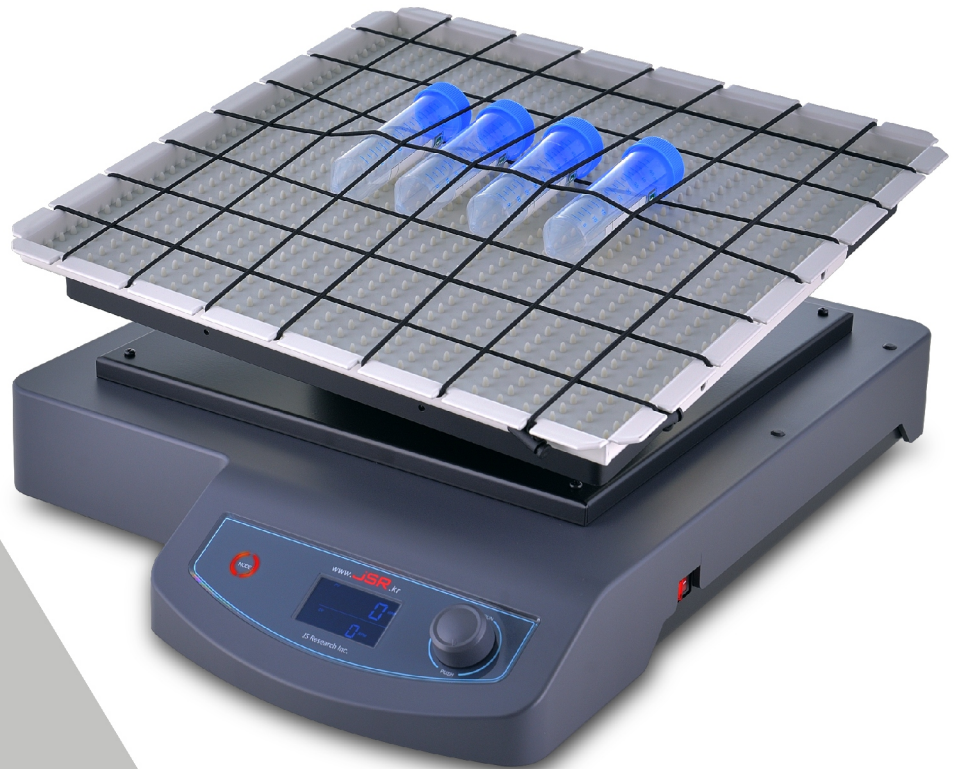
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3D ROCKER



3D ROCKER

JSSK-3D

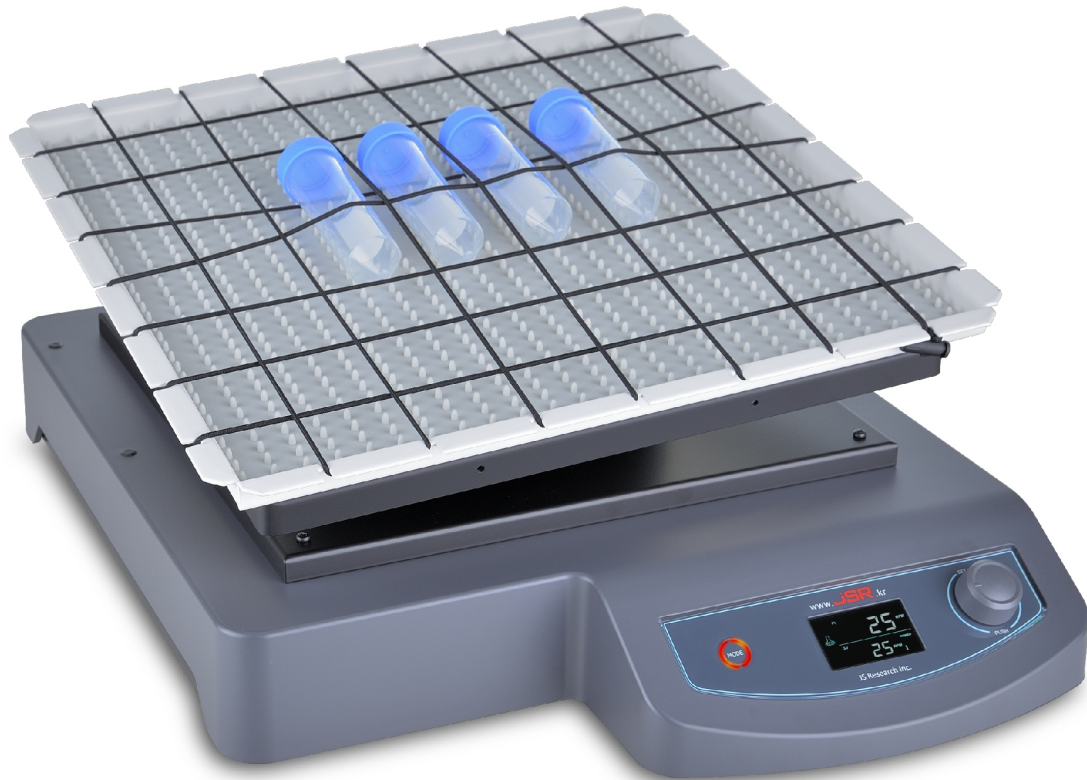
3D ROCKER PROGRAMMABLE

10 ~ 70 rpm

9° Tilt Angle Motion

350 x 350 mm Platform

JSSK-3D 락커는 다양한 종류의 배스, 플라스크, 바틀, 시험관 등에 담겨진 시료를 실온의 조건에서 혼합 또는 추출하기 위하여 사용됩니다. 생명공학 분야에서 전기영동 후 젤을 염색 하기 위한 용도로 적합하며, 화학, 생명공학, 제약, 농학, 환경 분야의 시료 전처리에 다양하게 사용할 수 있습니다.



Features

제어기능

최첨단 MCU 프로세서와 Tachometer 피드백 제어로
정밀한 속도 조절.

10 단계의 속도/작동시간 프로그램을 최대 6개 까지 저장.

응답성이 뛰어난 정전방식 터치버튼은 다양한 종류의
라텍스 장갑에도 민감하게 작동됨.

사용이 간편한 조그다이얼 방식 인코더를 적용하여 속도제어,
시간설정, 작동, 멈춤, 저장 등 다양한 기능을 손쉽게 사용할 수 있음.
고휘도 그래픽 LCD 디스플레이는 작동 상황을 한눈에 파악할 수
있으며 교반속도 제어 뿐만 아니라 프로그램 작성에도 매우 편리함.

사용편의성

용도에 따라 교체 가능한 플랫폼

적재가능플라스크 수량

16ea x 50/100ml, 9ea x 250/500ml, 5ea x 1L,

4ea x 2L, 2ea x 3L 또는 1ea x 5L

미끄럼 방지기능의 양면 모두 사용 가능한 실리콘 매트
(돌기면/평면)

제품의 성능

교반 속도 10 to 70 rpm

틸팅 각도 9도

디지털 타이머 1min ~ 99hr 59min by 1 min

플랫폼 사이즈 W350 x D350 mm

Slow Start 기능이 장착된 강력한 모터 드라이버

조용하고 내구성이 뛰어난 BLDC 모터

최대적재중량 10 kgs

특장점

BLDC 모터

저중심 설계의 고강도 ABS 플라스틱 본체

안전장치

과부하차단장치

과전류차단장치

JSSK-3D

3D ROCKER

10 ~ 70 rpm

9° Tilt Angle

3D Motion

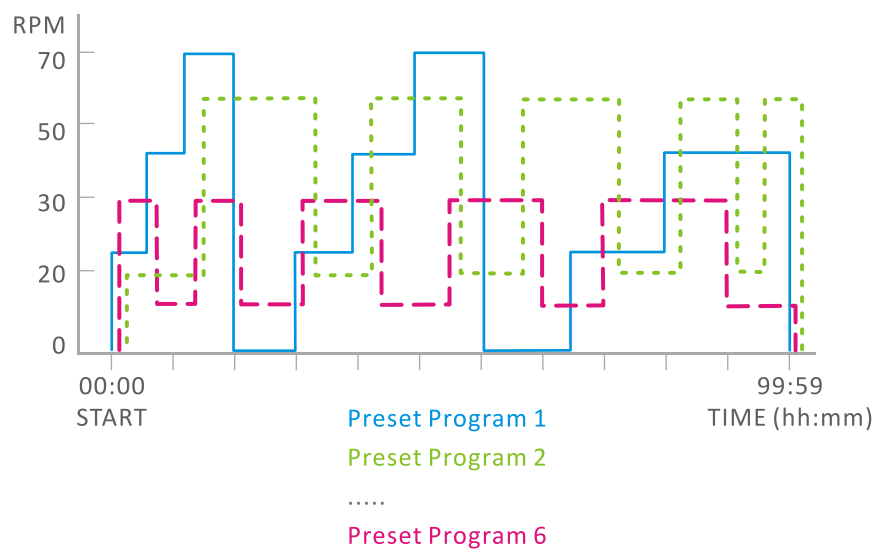
Platform Size

350 x 350 mm

프로그램기능

최대 10 스텝 프로그램이 가능하며

6종류의 프로그램 패턴 저장



Accessories



PHF-U35 Universal Spring Rack



PHF-P35SET Universal Platform SET

PHF-P35 Universal Platform

PHF-M35 Silicone Mat

PHF-S35 Elastic String Band

Specifications

JSSK-3D

3D ROCKER

10 ~ 70 rpm
9° Tilt Angle
3D Motion
Platform Size
350 x 350 mm

Model

JSSK-3D

Performance Data

Motion Type	3D Orbital Rocking Motion
Platform Dimensions (W x D)	350 x 350 mm
Speed Range	10 to 70 rpm, 1 rpm resolution
Stroke Length	9° Tilt Angle
Max. Load	10 kgs

Controller

Type	Digital Fuzzy Control with Capacitive Touch Button and Jog Dial
Timer	99 hr 59 min by 1 min resolution
Display	Full Size Digital Back Light Graphic LCD Display
Program Function	6 Preset Programs, 10 Steps for each Program

Motor

Type	Brushless DC Motor
Power	50 Watts
Rotating Direction	Clockwise

Safety Data

Safety Device	Overload Protection / Over Current Protection
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Material Data

Body	ABS
Platform	Aluminum / Steel

Electrical Data

Power Requirement	230 +/- 10% VAC 50/60 Hz
Nominal Power	45 Watt
Phase	1 Phase
Plug Configuration	CEE 7/7 Schuko or BS 1363

Usable Condition

Temp. & Humidity	5 °C - 40 °C, 80% RH Max.
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JSR

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Ordering Information

Art. Number	Descriptions	
JSSK-3D	3-D Rocker	230 VAC 1 ph 50/60 Hz
Accessories		
PHF-P35SET	Universal Platform Set	
	PHF-P35	Universal Platform
	PHF-M35	Silicone Mat
	PHF-S35	Elastic String Band
PHF-U35	Universal Spring Rack W350 x D350 mm	
PHF-M35	Silicone Mat W350 x D350 mm	
PHF-S35	Elastic String Band with Stopper x 2 Set	

JSSK-3D

3D ROCKER

10 ~ 70 rpm

9° Tilt Angle

3D Motion

Platform Size

350 x 350 mm

DISTRIBUTOR

JSR

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