

## COMMODITY DESCRIPTION

H.S. No	Item No	Description	Unit	Quantity
		Digital Overhead Stirrer	set	1

A. Model : JSMS-070D / JSMS-100D / JSMS-150D

B. Product Description : Digital Overhead Stirrer

C. Manufacturer / Origin : JS Research Inc. / Korea

D. Application :

JSMS-xxxD Digital Overhead Stirrer designed to homogenization, emulsification and dispersion and mixing of fluids at high speed. This compact and rugged Overhead Stirrer is user-friendly designed with convenient Jog-Dial and High Fidelity LCD Display. Advanced Fuzzy Control System maintaining accurate and consistent RPM and equipped with heat protection safety cut-off system. Gearless torque conversion mechanism ensure less heat generation and anti-trembling shaft guarantee vibration and noise free operation.

E. Photo



JSMS-070D Digital Overhead Stirrer

## F. Feature

### Controller

- ✓ Advanced microprocessor Digital Fuzzy Controller with Touch button and Jog Dial.
- ✓ Accurate stirring speed display and control
- ✓ Rugged, solid and chemical-proof control panel surface
- ✓ Touch-sensitive Multi-Functional Capacitive Button compatible to all kind of latex gloves as well as finger touch.
- ✓ Easy-to-use Jog Dial for quick and convenient setting of stirring speed and timer.
- ✓ High-fidelity clear back light LCD displays complete setting and operating condition at a glance. Easy to monitoring set speed and present speed.

### Construction

- ✓ Compact and handy design to fit all purpose.
- ✓ Main body made by aluminum casting with durable ABS Plastic.

### Performance

- ✓ Stirring Capacity 25 to 60 liter H<sub>2</sub>O depends on model.
- ✓ Viscosity 70,000 ~ 150,000 mPas depends on model.
- ✓ Speed Range 800 to 2,000 rpm depends on model.
- ✓ Timer setting range from 1 min to 99 hr 59 min
- ✓ Anti-trembling shaft ensure high speed stirring, vibration and noise free operation.

### Convenience

- ✓ Stainless Steel anti-rust thread chuck

### Safety

- ✓ OVER LOAD and OVER HEAT PROTECTION

## G. Specifications

Stirring Capacity	JSMS-070D	Max. 25 liter H <sub>2</sub> O
	JSMS-100D	Max. 40 liter H <sub>2</sub> O
	JSMS-150D	Max. 60 liter H <sub>2</sub> O
Max. Viscosity	JSMS-070D	Max. 70,000 mPas
	JSMS-100D	Max. 100,000 mPas
	JSMS-150D	Max. 150,000 mPas

Max. Torque	JSMS-070D	Max. 200 Ncm
	JSMS-100D	Max. 300 Ncm
	JSMS-150D	Max. 450 Ncm
Speed Range	JSMS-070D	100 to 2,000 rpm by 5 rpm resolution
	JSMS-100D	80 to 1,200 rpm by 1 rpm resolution
	JSMS-150D	50 to 800 rpm by 1 rpm resolution
Gear Rate	JSMS-070D	2.0 : 1
	JSMS-100D	3.0 : 1
	JSMS-150D	4.5 : 1
Power Consumption	JSMS-070D	150 Watt
	JSMS-100D	170 Watt
	JSMS-150D	200 Watt
Motor Rating (Input/Output)	110 / 85 Watt	
Timer	1 min to 99 hr 59 min	
Control	Digital Fuzzy Control with Capacitive Touch Button and Jog Dial Full Size Digital Back Light LCD Display Independent ON/OFF Switch	
Max. Impeller Shaft Diameter	10 mm	
Safety	Over Load and Over Heat Protection	
Material	Aluminum casting and ABS Plastic	
Electrical Requirement	120 ± 10% VAC, 60Hz, 1-Phase	
	230 ± 10% VAC, 50/60Hz, 1-Phase	
Plug Configuration	CEE 7/7 Schuko or BS 1363	
Shipping Dims. (W x D x H)	310 x 370 x 140 mm, Carton	
Net Weight	3.5 kg	
Shipping Weight	4.6 kg	

## H. Standard Accessories


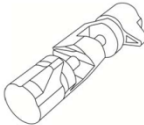
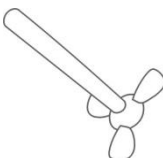
Instruction Manual : 1 EA

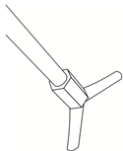
Warranty Card : 1 EA

## I. Ordering Information

Art No.	Descriptions
JSMS-070D	Digital Mechanical Overhead Stirrer, 70,000 mPas, 2,000 rpm 230 VAC
JSMS-100D	Digital Mechanical Overhead Stirrer, 100,000 mPas, 1,200 rpm 230 VAC
JSMS-150D	Digital Mechanical Overhead Stirrer, 150,000 mPas, 800 rpm 230 VAC

## J. Options & Accessories

Component	Art. No.	Description
	PHA-04S	Standard Plate Stand 25 X 37Cm Plate with Rod and Silicon Pad
	PHA-05C	Clamp, up to Ø23mm Rod
	PHA-P30850	Impeller, Propeller, 3 x bladed, Ø8 rod, Ø50 mm blade
	PHA-P30860	Impeller, Propeller, 3 x bladed, Ø8 rod, Ø60 mm blade
	PHA-P30880	Impeller, Propeller, 3 x bladed, Ø8 rod, Ø80 mm blade
	PHA-P30810	Impeller, Propeller, 3 x bladed, Ø8 rod, Ø100 mm blade
	PHA-P31060	Impeller, Propeller, 3 x bladed, Ø10 rod, Ø60 mm blade
	PHA-P31080	Impeller, Propeller, 3 x bladed, Ø10 rod, Ø80 mm blade
	PHA-P31010	Impeller, Propeller, 3 x bladed, Ø10 rod, Ø100 mm blade

	PHA-P40870	Impeller, Propeller, 4 x bladed, Ø8 rod, Ø70 mm blade
	PHA-P40890	Impeller, Propeller, 4 x bladed, Ø8 rod, Ø90 mm blade
	PHA-P40810	Impeller, Propeller, 4 x bladed, Ø8 rod, Ø100 mm blade
	PHA-P41090	Impeller, Propeller, 4 x bladed, Ø10 rod, Ø90 mm blade
	PHA-P41010	Impeller, Propeller, 4 x bladed, Ø10 rod, Ø100 mm blade
	PHA-D40890	Impeller, Diamond, 4 x bladed, Ø8 rod, Ø90 mm blade
	PHA-D40810	Impeller, Diamond, 4 x bladed, Ø8 rod, Ø100 mm blade
	PHA-D41010	Impeller, Diamond, 4 x bladed, Ø10 rod, Ø100 mm blade
	PHA-C20810	Impeller, Centrifugal, 2 x bladed, Ø8 rod, Ø100 mm blade
	PHA-C2890F	Impeller, Centrifugal, 2 x bladed, Ø8 rod, Ø90 mm blade, Teflon-coated
	PHA-C2812F	Impeller, Centrifugal, 2 x bladed, Ø8 rod, Ø120 mm blade, Teflon-coated
	PHA-A20870	Impeller, Anchor, 2 x bladed, Ø8 rod, Ø70 mm blade
	PHA-A20890	Impeller, Anchor, 2 x bladed, Ø8 rod, Ø90 mm blade
	PHA-A21090	Impeller, Anchor, 2 x bladed, Ø10 rod, Ø90 mm blade
	PHA-A21014	Impeller, Anchor, 2 x bladed, Ø10 rod, Ø140 mm blade

## K. Warranty

1 Year full coverage warranty