

Digital Overhead Stirrer



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.

FEATURES

PERFORMANCE

- Homogenization, emulsification and dispersion and mixing of fluids at high speed
- Advanced Fuzzy Control System maintaining accurate and consistent RPM
- Gearless torque conversion mechanism ensure less heat generation
- Anti-trembling shaft guarantee vibration and noise free operation

CONSTRUCTION

- Compact and handy design to fit all purpose
- Main body made by aluminum casting with durable ABS Plastic
- Stainless Steel anti-rust thread chuck

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
- Auto-Stop Timer 1 min ~ 99 hour 59 min
- Stirring Capacity 15 to 60 liter H2O depends on model
- Viscosity 50,000 ~ 150,000 mPas depends on model
- Speed Range 800 to 3,000 rpm depends on model

SAFETY

- Over load and over heat protection

SPECIFICATIONS

Art. No.	JSMS-050D	JSMS-070D	JSMS-100D	JSMS-150D
Dimension Data				
Stirring Capacity (H2O)	Max. 15 Liters	Max. 25 Liters	Max. 40 Liters	Max. 60 Liters
Outer Dims. (W x D x H mm)	80 x 190 x 245			

Performance Data				
Speed Range	120 to 3,000 rpm	100 to 2,000 rpm	80 to 1,200 rpm	50 to 800 rpm
Maximum Viscosity	50,000 mPas	70,000 mPas	100,000 mPas	150,000 mPas
Maximum Torque	85 Ncm	120 Ncm	180 Ncm	270 Ncm
Gear Rate	1.5:1	2.0:1	3.0:1	4.5:1
Impeller Shaft	Diameter $\varnothing 8 \sim \varnothing 10$ mm, Length L500 ~ 800 mm			

Controller

Processor	Digital Fuzzy Controller
Display	Back Light Graphic LCD Display
Button	Capacitive touch LED Lighting Touch Button

Technical Data Model JSMS-xxxD

Interface	Push and Rotary encoder type Jog Dial			
Resolution	5 rpm	5 rpm	1 rpm	1 rpm
Timer	1 min to 99 hr 59 min			

Safety Data

Safety Device	Over Load and Over Heat Protection
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Material Data

Body	Aluminum casting and ABS Plastic
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Electrical Data

Rated voltage	220 ± 10% VAC
Power frequency	50 / 60Hz
Motor Rating(Input/Output)	110 W/ 85 W
Nominal power	180 W
Phase	1 Phase
Plug configuration	CEE 7/7 Schuko

Usable Condition

Temp. & Humidity	0°C - 40 °C, < 80% RH
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Packaging Data

Type of packaging	Carton
Shipping Dims. (W x D x H mm)	310 x 380 x 140
Net Weight	3.9 kg
Shipping Weight	4.4 kg

ORDERING INFORMATION

Art. No.	Descriptions	Voltage
JSMS-050D	Digital Mechanical Overhead Stirrer, 50,000 mPas, 3,000 rpm	220 VAC 1~ ph 50/60Hz
JSMS-070D	Digital Mechanical Overhead Stirrer, 70,000 mPas, 2,000 rpm	220 VAC 1~ ph 50/60Hz
JSMS-100D	Digital Mechanical Overhead Stirrer, 100,000 mPas, 1,200 rpm	220 VAC 1~ ph 50/60Hz
JSMS-150D	Digital Mechanical Overhead Stirrer, 150,000 mPas, 800 rpm	220 VAC 1~ ph 50/60Hz

OPTIONAL ACCESSORIES

Art No.	Descriptions
PHA-04S	Standard Plate Stand 25 X 37Cm Plate with Rod and Silicon Pad
PHA-04TS	Telescopic Stand, 25x37 cm with Rod and Silicone Pad
PHA-05C	Clamp, up to Ø23mm Rod

	Art. No.	Blade Type	Coating	Blade Dia.	Rod Dia.	Rod Length
	PHA-P30850	3 Blade Propeller	none	Ø50 mm	Ø8 mm	L 500 mm
	PHA-P30870	3 Blade Propeller	none	Ø70 mm	Ø8 mm	L 500 mm
	PHA-P31070	3 Blade Propeller	none	Ø70 mm	Ø10 mm	L 650 mm
	PHA-P40870	4 Blade Propeller	none	Ø70 mm	Ø8 mm	L 500 mm
	PHA-P40890	4 Blade Propeller	none	Ø90 mm	Ø8 mm	L 500 mm
	PHA-P41090	4 Blade Propeller	none	Ø90 mm	Ø10 mm	L 650 mm
	PHA-D40890	4 Blade Diamond	none	Ø90 mm	Ø8 mm	L 500 mm
	PHA-D40810	4 Blade Diamond	none	Ø110 mm	Ø8 mm	L 500 mm
	PHA-D41010	4 Blade Diamond	none	Ø110 mm	Ø10 mm	L 650 mm
	PHA-C20810	2 Blade Centrifugal	none	Ø100 mm	Ø8 mm	L 500 mm
	PHA-C2890F	2 Blade Centrifugal	Teflon Coated	Ø90 mm	Ø10 mm	L 500 mm
	PHA-C2812F	2 Blade Centrifugal	Teflon Coated	Ø120 mm	Ø10 mm	L 650 mm
	PHA-A20870	2 Blade Anchor	none	Ø70 mm	Ø8 mm	L 500 mm
	PHA-A20890	2 Blade Anchor	none	Ø90 mm	Ø8 mm	L 650 mm
	PHA-A21090	2 Blade Anchor	none	Ø90 mm	Ø10 mm	L 650 mm
	PHA-A21014	2 Blade Anchor	none	Ø140 mm	Ø10 mm	L 800 mm