

# Overhead Stirrer | OS1



## ✓ Powerful and Soft Supports various viscosity

Belt type gear system with powerful motor realize soft and powerful operation 3 ratio of gear applied products cover wide range of sample

## ✓ High Durable

Chrome-Plated  
Anti-Rust Chuck

## ✓ High Safety

Over-Heat, Over-Load, Over Current  
Protection to secure the safety of  
products and sample

## ✓ High Stability

Anti-Trembling function for Impeller

## ✓ Touch Button

Excellent design focused  
on the convenience of users

## ✓ High Fidelity LCD Display

Operation Icon of high intuitiveness and  
Easy-to-read backlit LCD are equipped

Full Range covered  
Various Models

OS1-10  
Viscosity 70,000, 2,000rpm

OS1-15  
Viscosity 100,000, 1,200rpm

OS1-20  
Viscosity 150,000, 800rpm

Analog Models

OS1-10-A  
OS1-15-A  
OS1-20-A



Fine & Durable Analog models  
Stepless in speed control  
Over Heat Protector for motor

# Specification & Ordering

## Digital Models



Model	OS1-10	OS1-15	OS1-20
Stirring Capacity	Max. 25 Lit. (H <sub>2</sub> O)	Max. 40 Lit. (H <sub>2</sub> O)	Max. 60 Lit. (H <sub>2</sub> O)
Maximum Viscosity	70,000 mPas	100,000 mPas	150,000 mPas
Maximum Torque	120 Ncm	180 Ncm	270 Ncm
Gear Rate	2.0:1	3.0:1	4.5:1
Speed Range	100 to 2,000rpm	80 to 1,200rpm	50 to 800rpm
Motor Rating(Input / Output)	110W / 85 W		
Timer	99hr 59min		
Display	Digital LCD Display with Back-Light Function		
Controller	Digital Fuzzy Controller with Touch Button & Jog Dial		
Max. Impeller Shaft Diameter	10 mm		
Permissible Temp. & Humidity	0 ~ 40°C, 80%		
Safety Device	Overload & Heat Protector for Motor		
Material	ABS and Aluminum		
Power Consumption	180 W		
Dimensions (w x d x h) & Net Weight	80 X 194 X 245mm, 3.95Kg	80 X 194 X 245mm, 4.0Kg	80 X 194 X 245mm, 4.6Kg
Packing Size (w x d x h) & Gross Weight	310 X 365 X 135mm, 4.57Kg	310 X 365 X 135mm, 4.62Kg	310 X 365 X 135mm, 4.68Kg
Power Supply & Cord Plug	1 Phase, AC 120V, 60Hz or AC 230V, 50/60 HZ, with Cord/Plug		

## Analog Models



Model	OS1-10-A	OS1-15-A	OS1-20-A
Stirring Capacity	Max. 25 Lit. (H <sub>2</sub> O)	Max. 40 Lit. (H <sub>2</sub> O)	Max. 60 Lit. (H <sub>2</sub> O)
Maximum Viscosity	70,000 mPas	100,000 mPas	150,000 mPas
Maximum Torque	120 Ncm	180 Ncm	270 Ncm
Gear Rate	2.0:1	3.0:1	4.5:1
Speed Range	100 to 2,000rpm	80 to 1,200rpm	50 to 800rpm
Motor Rating(Input / Output)	110W / 85 W		
Speed Control	Stepless		
Max. Impeller Shaft Diameter	10 mm		
Permissible Temp. & Humidity	0 ~ 40°C, 80%		
Safety Device	Over Heat Protector for Motor		
Material	ABS and Aluminum		
Power Consumption	180 W		
Dimensions (w x d x h) & Net Weight	80 X 194 X 245mm, 3.82Kg	80 X 194 X 245mm, 3.87Kg	80 X 194 X 245mm, 3.93Kg
Packing Size (w x d x h) & Gross Weight	281 X 460 X 172mm, 4.44Kg	281 X 460 X 172mm, 4.49Kg	281 X 460 X 172mm, 4.59Kg
Power Supply & Cord Plug	1 Phase, AC 120V, 60Hz or AC 230V, 50/60 HZ, with Cord/Plug		

Ordering No.	Model Name	Description
LT.OS01010	OS1-10	Overhead Stirrer, Digital, Viscosity 70,000, 2,000rpm, 230V
LT.OS01011		Overhead Stirrer, Digital, Viscosity 70,000, 2,000rpm, 120V
LT.OS01012	OS1-10-Set	OS1-10 Package, with OSIP010, OSHC010, OSSR010, 230V
LT.OS01013		OS1-10 Package, with OSIP010, OSHC010, OSSR010, 120V
LT.OS01020	OS1-15	Overhead Stirrer, Digital, Viscosity 100,000, 1,200rpm, 230V
LT.OS01021		Overhead Stirrer, Digital, Viscosity 100,000, 1,200rpm, 120V
LT.OS01022	OS1-15-Set	OS1-15 Package, with OSIP020, OSHC010, OSSR010, 230V
LT.OS01023		OS1-15 Package, with OSIP020, OSHC010, OSSR010, 120V
LT.OS01030	OS1-20	Overhead Stirrer, Digital, Viscosity 150,000, 800rpm, 230V
LT.OS01031		Overhead Stirrer, Digital, Viscosity 150,000, 800rpm, 120V
LT.OS01032	OS1-20-Set	OS1-20 Package, with OSIP030, OSHC010, OSSR010, 230V
LT.OS01033		OS1-20 Package, with OSIP030, OSHC010, OSSR010, 120V

Ordering No.	Model Name	Description
LT.OS01110	OS1-10-A	Overhead Stirrer, Analog, Viscosity 70,000, 2,000rpm, 230V
LT.OS01111		Overhead Stirrer, Analog, Viscosity 70,000, 2,000rpm, 120V
LT.OS01112	OS1-10-A-Set	OS1-10-A Package, with OSIP010, OSHC010, OSSR010, 230V
LT.OS01113		OS1-10-A Package, with OSIP010, OSHC010, OSSR010, 120V
LT.OS01120	OS1-15-A	Overhead Stirrer, Analog, Viscosity 100,000, 1,200rpm, 230V
LT.OS01121		Overhead Stirrer, Analog, Viscosity 100,000, 1,200rpm, 120V
LT.OS01122	OS1-15-A-Set	OS1-15-A Package, with OSIP020, OSHC010, OSSR010, 230V
LT.OS01123		OS1-15-A Package, with OSIP020, OSHC010, OSSR010, 120V
LT.OS01130	OS1-20-A	Overhead Stirrer, Analog, Viscosity 150,000, 800rpm, 230V
LT.OS01131		Overhead Stirrer, Analog, Viscosity 150,000, 800rpm, 120V
LT.OS01132	OS1-20-A-Set	OS1-20-A Package, with OSIP030, OSHC010, OSSR010, 230V
LT.OS01133		OS1-20-A Package, with OSIP030, OSHC010, OSSR010, 120V

## Accessories - All items are included in standard delivery.



OSSR010



OSHC010

Ordering No.	Model Name	Description
LT.OS00001	OSSR010	Standard Plate Stand, for Overhead Stirrer and Homogenizer, 25x37cm Plate, with Rod and Silicon Pad
LT.OS00003	OSHC010	Clamp for Overhead Stirrers and Homogenizers, up to Ø23mm Rod

### Impellers, Stirring Tools with Exchangeable Blades for Overhead Stirrers

Ordering No.	Model Name	Description
LT.OS00010	OSIP010	Propeller, 3 x bladed, Ø8 L500 mm rod, Ø50 mm blade
LT.OS00011	OSIP011	Propeller, 3 x bladed, Ø8 L500 mm rod, Ø60 mm blade
LT.OS00012	OSIP012	Propeller, 3 x bladed, Ø8 L500 mm rod, Ø80 mm blade
LT.OS00013	OSIP013	Propeller, 3 x bladed, Ø8 L500 mm rod, Ø100 mm blade

Ordering No.	Model Name	Description
LT.OS00020	OSIP020	Propeller, 4 x bladed, Ø8 L500 mm rod, Ø70 mm blade
LT.OS00021	OSIP021	Propeller, 4 x bladed, Ø8 L500 mm rod, Ø90 mm blade
LT.OS00022	OSIP022	Propeller, 4 x bladed, Ø8 L500 mm rod, Ø110 mm blade
LT.OS00030	OSIP030	Diamond, 4 x bladed, Ø8 L500 mm rod, Ø90 mm blade
LT.OS00031	OSIP031	Diamond, 4 x bladed, Ø8 L500 mm rod, Ø110 mm blade
LT.OS00040	OSIP040	Centrifugal, 2 x bladed, Ø8 L500 mm rod, Ø100 mm blade
LT.OS00050	OSIP050	Centrifugal, Teflon-coated, 2 x bladed, Ø8 L500 mm rod, Ø90 mm blade
LT.OS00051	OSIP051	Centrifugal, Teflon-coated, 2 x bladed, Ø8 L500 mm rod, Ø120 mm blade
LT.OS00060	OSIP060	Anchor, 2 x bladed, Ø8 L500 mm rod, Ø70 mm blade
LT.OS00061	OSIP061	Anchor, 2 x bladed, Ø8 L650 mm rod, Ø90 mm blade
LT.OS00111	OSIP111	Propeller, 3 x bladed, Ø10 L650 mm rod, Ø60 mm blade
LT.OS00112	OSIP112	Propeller, 3 x bladed, Ø10 L650 mm rod, Ø80 mm blade
LT.OS00113	OSIP113	Propeller, 3 x bladed, Ø10 L650 mm rod, Ø100 mm blade
LT.OS00121	OSIP121	Propeller, 4 x bladed, Ø10 L650 mm rod, Ø90 mm blade
LT.OS00122	OSIP122	Propeller, 4 x bladed, Ø10 L650 mm rod, Ø110 mm blade
LT.OS00131	OSIP131	Diamond, 4 x bladed, Ø10 L650 mm rod, Ø110 mm blade
LT.OS00161	OSIP161	Anchor, 2 x bladed, Ø10 L650 mm rod, Ø90 mm blade
LT.OS00162	OSIP162	Anchor, 2 x bladed, Ø10 L800 mm rod, Ø140 mm blade