

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

✓ Telescopic stand provided

Telescopic stand is provided as standard
in Set Models for easy use and accurate setting

✓ 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

OS1-10S
Viscosity 50,000mPas 3,000rpm

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

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

OS1-20
Viscosity 150,000mPas 800rpm

Analog Models

OS1-10S-A
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	OS1-10S / OS1-10S-Sets	OS1-10 / OS1-10-Sets	OS1-15 / OS1-15-Sets	OS1-20 / OS1-20-Sets
Stirring Capacity	Max. 15 Lit. (H ₂ O)	Max. 25 Lit. (H ₂ O)	Max. 40 Lit. (H ₂ O)	Max. 60 Lit. (H ₂ O)
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
Speed Range	100 to 3,000rpm	100 to 2,000rpm	80 to 1,200rpm	50 to 800rpm
Motor Rating(Input / Output)	200W / 160W			
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			
Extension Arm Size	Ø12.7 X L245mm			
Power Consumption	180 W			
Dimensions (w x d x h) & Net Weight	80 X 194 X 245mm, 3.95 Kg / 10.39Kg	80 X 194 X 245mm, 4.0 Kg / 10.44Kg	80 X 194 X 245mm, 4.6 Kg / 10.5Kg	
Packing Size (w x d x h) & Gross Weight	310 X 365 X 135mm, 4.57Kg / 290 X 800 X 180mm, 12.14Kg	310 X 365 X 135mm, 4.62Kg / 290 X 800 X 180mm, 12.2Kg	310 X 365 X 135mm, 4.68Kg / 290 X 800 X 180mm, 12.27Kg	
Power Supply	1 Phase, AC 100 - 240 ~, 50/60Hz, Built-in Power Cord/Plug			

Analog Models



Model	OS1-10S-A / OS1-10S-A-Set	OS1-10-A / OS1-10-A-Set	OS1-15-A / OS1-15-A-Set	OS1-20-A / OS1-20-A-Set
Stirring Capacity	Max. 15 Lit. (H ₂ O)	Max. 25 Lit. (H ₂ O)	Max. 40 Lit. (H ₂ O)	Max. 60 Lit. (H ₂ O)
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
Speed Range	120 to 3,000rpm	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			
Extension Arm Size	Ø12.7 X L245mm			
Power Consumption	180 W			
Dimensions (w x d x h) & Net Weight	80 X 194 X 245mm, 3.87 Kg / 10.22Kg	80 X 194 X 245mm, 3.87Kg / 10.27Kg	80 X 194 X 245mm, 3.93 Kg / 10.33Kg	
Packing Size (w x d x h) & Gross Weight	281 X 460 X 172mm, 4.44Kg / 290 X 800 X 180mm, 12.0Kg	281 X 460 X 172mm, 4.49Kg / 290 X 800 X 180mm, 12.04Kg	281 X 460 X 172mm, 4.55Kg / 290 X 800 X 180mm, 12.11Kg	
Power Supply	1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz, Built-in Power Cord/Plug			

Ordering No.	Model Name	Description
LT.OS01040	OS1-10S	Overhead Stirrer, Digital, Viscosity 50,000, 3,000rpm, 230V
LT.OS01041	OS1-10S-SetsA	Overhead Stirrer, Digital, Viscosity 50,000, 3,000rpm, 120V
LT.OS01044	OS1-10S-SetsA	OS1-10S Package, with OSIP010, OSHC010, OSSR010, 230V
LT.OS01045	OS1-10S-SetsB	OS1-10S Package, with OSIP010, OSHC010, OSSR010, 120V
LT.OS01042	OS1-10S-SetsB	OS1-10S Package, with OSIP010, OSHC010, OSSR030, 230V
LT.OS01043	OS1-10S-SetsB	OS1-10S Package, with OSIP010, OSHC010, OSSR030, 120V
LT.OS01010	OS1-10	Overhead Stirrer, Digital, Viscosity 70,000, 2,000rpm, 230V
LT.OS01011	OS1-10-SetsA	Overhead Stirrer, Digital, Viscosity 70,000, 2,000rpm, 120V
LT.OS01014	OS1-10-SetsA	OS1-10 Package, with OSIP010, OSHC010, OSSR010, 230V
LT.OS01015	OS1-10-SetsB	OS1-10 Package, with OSIP010, OSHC010, OSSR010, 120V
LT.OS01012	OS1-10-SetsB	OS1-10 Package, with OSIP010, OSHC010, OSSR030, 230V
LT.OS01013	OS1-10-SetsB	OS1-10 Package, with OSIP010, OSHC010, OSSR030, 120V
LT.OS01020	OS1-15	Overhead Stirrer, Digital, Viscosity 100,000, 1,200rpm, 230V
LT.OS01021	OS1-15-SetsA	Overhead Stirrer, Digital, Viscosity 100,000, 1,200rpm, 120V
LT.OS01024	OS1-15-SetsA	OS1-15 Package, with OSIP020, OSHC010, OSSR010, 230V
LT.OS01025	OS1-15-SetsB	OS1-15 Package, with OSIP020, OSHC010, OSSR010, 120V
LT.OS01022	OS1-15-SetsB	OS1-15 Package, with OSIP020, OSHC010, OSSR030, 230V
LT.OS01023	OS1-15-SetsB	OS1-15 Package, with OSIP020, OSHC010, OSSR030, 120V
LT.OS01030	OS1-20	Overhead Stirrer, Digital, Viscosity 150,000, 800rpm, 230V
LT.OS01031	OS1-20-SetsA	Overhead Stirrer, Digital, Viscosity 150,000, 800rpm, 120V
LT.OS01034	OS1-20-SetsA	OS1-20 Package, with OSIP030, OSHC010, OSSR010, 230V
LT.OS01035	OS1-20-SetsB	OS1-20 Package, with OSIP030, OSHC010, OSSR010, 120V
LT.OS01032	OS1-20-SetsB	OS1-20 Package, with OSIP030, OSHC010, OSSR030, 230V
LT.OS01033	OS1-20-SetsB	OS1-20 Package, with OSIP030, OSHC010, OSSR030, 120V

Accessories

OSSR010

(* Standard Component in Digital Set A and Analog Set Models.)



OSSR030

(* Standard Component in Digital Set B Set Models.)



Ordering No.	Model Name	Description
LT.OS00001	OSSR010	Standard Plate Stand, for Overhead Stirrer and Homogenizer, 25x37cm Plate, with Rod(80cm height) and Silicon Pad
LT.OS00003	OSHC010	Clamp for Overhead Stirrers and Homogenizers, up to Ø23mm Rod
LT.OS00004	OSSR030	Telescopic Stand for Overhead Stirrer & Homogenizer. (42~64cm height adjustable)

Ordering No.	Model Name	Description
LT.OS01140	OS1-10S-A	Overhead Stirrer, Analog, Viscosity 50,000, 3,000rpm, 230V
LT.OS01141	OS1-10S-A-Set	Overhead Stirrer, Analog, Viscosity 50,000, 3,000rpm, 120V
LT.OS01142	OS1-10S-A-Set	OS1-10S-A Package, with OSIP010, OSHC010, OSSR010, 230V
LT.OS01143	OS1-10S-A-Set	OS1-10S-A Package, with OSIP010, OSHC010, OSSR010, 120V
LT.OS01110	OS1-10-A	Overhead Stirrer, Analog, Viscosity 70,000, 2,000rpm, 230V
LT.OS01111	OS1-10-A-Set	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-Set	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	OS1-15-A-Set	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-Set	OS1-15-A Package, with OSIP020, OSHC010, OSSR010, 120V
LT.OS01130	OS1-20-A	Overhead Stirrer, Analog, Viscosity 150,000, 800rpm, 230V
LT.OS01131	OS1-20-A-Set	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-Set	OS1-20-A Package, with OSIP030, OSHC010, OSSR010, 120V

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, Ø70 mm blade
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.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, 2xbladed, Ø8 L500mm rod, Ø90mm blade
LT.OS00051	OSIP051	Centrifugal, Teflon-coated, 2xbladed, Ø8 L650mm rod, Ø120mm blade
LT.OS00060	OSIP060	Anchor, 2 x bladed, Ø8 L500mm rod, Ø70 mm blade
LT.OS00061	OSIP061	Anchor, 2 x bladed, Ø8 L650mm rod, Ø90 mm blade
LT.OS00111	OSIP111	Propeller, 3 x bladed, Ø10 L650 mm rod, Ø60 mm blade
LT.OS00121	OSIP121	Propeller, 4 x bladed, Ø10 L650 mm rod, Ø90 mm blade
LT.OS00130	OSIP130	Diamond, 4 x bladed, Ø10 L650 mm rod, Ø90 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