

Viscosity Measuring Overhead Stirrer | **EVO 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**”.

✓ **Torque Measuring Function**

Can measure Torque during operation in real time.

✓ **Viscosity Calculation**

Can be carried out immediately via a easy in use menu.
The provided Impeller for precise work in torque and viscosity measurement.

✓ **Target Viscosity Operation**

More useful and convenient in experiment.
You can set the target viscosity in EVE OS1 and then it will operate until reach target viscosity properly.

✓ **High Fidelity Touch Color LCD Display**

The wide display enable users a convenient checking on current range of set values for the operation of the product.

✓ **High Reliability**

Upgraded in DC Motor power for powerful stirring.

✓ **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

✓ **Real Time Monitoring**

Stirring operation information can be monitored using a USB port..

Full Range covered Various Models

EVO OS1-10

Viscosity 70,000mPas 2,000rpm

EVO OS1-15

Viscosity 100,000mPas 1,200rpm

EVO OS1-20

Viscosity 150,000mPas 800rpm

Specification & Ordering

EVO Models



Model	EVO OS1-10 /EVO OS1-10-Set	EVO OS1-15 /EVO OS1-15-Set	EVO OS1-20 /EVO OS1-20-Set
Stirring Capacity	Max. 25 Lit. (H ₂ O)	Max. 40 Lit. (H ₂ O)	Max. 60 Lit. (H ₂ O)
Maximum Viscosity	70,000 mPas	100,000 mPas	150,000 mPas
Maximum Torque	130 Ncm	195 Ncm	293 Ncm
Gear Rate	2.0:1	3.0:1	4.5:1
Speed Range	30 to 2,000rpm	20 to 1,200rpm	15 to 800rpm
Motor Rating(Input / Output)	200W / 160 W		
Timer	99hr 59min		
Display	Touch Color LCD		
Controller	Digital PID Feedback Control High Performance MCU		
Viscosity Measurement Range	10,000 to 100,000 mPas (15% Deviation)		
Max. Impeller Shaft Diameter	10 mm		
Others – Special function	Torque Measuring Function in real time Viscosity Calculation Target Viscosity Operation Real Time Monitoring by USB port		
Permissible Temp. & Humidity	0 ~ 40°C, 80%		
Safety Device	Overload & Heat Protector for Motor Error Code Display		
Material	ABS and Aluminum		
Extension Arm Size	Ø12.7 X L250mm		
Power Consumption	280 W		
Dimensions (w x d x h) & Net Weight	80 X 185 X 260mm, 3.95 Kg / 10.39Kg	80 X 185 X 260mm, 4.0 Kg / 10.44Kg	80 X 185 X 260mm, 4.6 Kg / 10.5Kg
Packing Size (w x d x h) & Gross Weight	310X365X135mm, 4.57Kg / 290X800X180mm, 12.14Kg	310X365X135mm, 4.62Kg / 290X800X180mm, 12.2Kg	310X365X135mm, 4.68Kg / 290X800X180mm, 12.27Kg
Power Supply & Cord Plug	1 Phase, AC 120V, 60Hz or AC 230V, 50/60 HZ, with Cord/Plug		

Ordering No.	Model Name	Description
LT.OS02010	EVO OS1-10	Viscosity Measuring Overhead Stirrer, Digital, Viscosity 70,000, 2,000rpm, 230V
LT.OS02011	EVO OS1-10	Viscosity Measuring Overhead Stirrer, Digital, Viscosity 70,000, 2,000rpm, 120V
LT.OS02012	EVO OS1-10-Set	EVO OS1-10 Package, with OSIP010, OSHC010, OSSR030, 230V
LT.OS02013	EVO OS1-10-Set	EVO OS1-10 Package, with OSIP010, OSHC010, OSSR030, 120V
LT.OS02020	EVO OS1-15	Viscosity Measuring Overhead Stirrer, Digital, Viscosity 100,000, 1,500rpm, 230V
LT.OS02021	EVO OS1-15	Viscosity Measuring Overhead Stirrer, Digital, Viscosity 100,000, 1,500rpm, 120V
LT.OS02022	EVO OS1-15-Set	EVO OS1-15 Package, with OSIP020, OSHC010, OSSR030, 230V
LT.OS02023	EVO OS1-15-Set	EVO OS1-15 Package, with OSIP020, OSHC010, OSSR030, 120V
LT.OS02030	EVO OS1-20	Viscosity Measuring Overhead Stirrer, Digital, Viscosity 150,000, 900rpm, 230V
LT.OS02031	EVO OS1-20	Viscosity Measuring Overhead Stirrer, Digital, Viscosity 150,000, 900rpm, 120V
LT.OS02032	EVO OS1-20-Set	EVO OS1-20 Package, with OSIP030, OSHC010, OSSR030, 230V
LT.OS02033	EVO OS1-20-Set	EVO OS1-20 Package, with OSIP030, OSHC010, OSSR030, 120V

Accessories



OSSR010



OSHC010



OSSR030
(* Standard Component
in Digital Set Models.)

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
LT.OS00004	OSSR030	Telescopic Stand for Overhead Stirrer & Homogenizer.

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 L650 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