

Professional Overhead Stirrer, Realtime Torque | **Pro OS1**



☑ 토크 측정 기능

교반을 진행 중 실시간으로 토크를 측정

☑ 자동 역방향 동작 지원

미세분말 파우더같은 샘플의 습윤이 보다 용이하며 프로그램 동작 기능을 이용하여 자동 전환 가능

☑ 프로그램 설정 및 동작 기능

9개의 프로그램과 총 11개의 Step으로 동작시간, 속도 그리고 정방향 역방향 동작방식을 제공하여 정밀하고 편리한 실험 가능

☑ 풀터치 컨트롤 TFT LCD 디스플레이 채용

점도측정 교반기의 다양한 동작제어와 모니터링을 하기에 충분한 대화면 풀터치 제어 스크린 채용

☑ 안정된 동작과 높은 내구성

임펠라의 흔들림 방지 대책과 부식되지 않는 크롬 코팅된 Chuck 채용

☑ 강력하고 부드러운 동작 다양한 샘플 점도 대응

벨트 타입 기어 시스템을 채용, 안정적인 동작과 부드럽고 강력한 동작 실현, 기어비를 이용, 넓은 범위의 샘플 점도를 커버하는 제품군 구현

☑ 텔레스코픽 스탠드 채용

사용이 편리하고 정확한 세팅이 가능한 텔레스코픽 스탠드 제공

☑ 높은 안정성

제품 보호와 샘플 보호를 위한 다중 보호 장치 적용
Over-Heat, Over-Load, Over Current Protection

☑ 실시간 모니터링

USB 포트를 이용하여 교반동작 정보를 모니터링 가능
(RS485포트 제공 가능, 다중 모니터링 및 제어용)

사용할 샘플에 따른 다양한 토크의 모델지원

Pro OS1-10S

Viscosity 50,000mPas 3,000rpm

Pro OS1-15

Viscosity 100,000mPas 1,200rpm

Pro OS1-10

Viscosity 70,000mPas 2,000rpm

Pro OS1-20

Viscosity 150,000mPas 800rpm

Specification & Ordering

Pro Models



Model	Pro OS1-10S /Pro OS1-10S-Set	Pro OS1-10 /Pro OS1-10-Set	Pro OS1-15 /Pro OS1-15-Set	Pro OS1-20 /Pro OS1-20-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	130 Ncm	195 Ncm	293 Ncm
Gear Rate	1.5:1	2.0:1	3.0:1	4.5:1
Speed Range	50 to 3,000rpm	30 to 2,000rpm	20 to 1,200rpm	15 to 800rpm
Motor Rating(Input / Output)	200W / 160 W			
Working Direction	Forward & Reverse (Can change automatically by program operation)			
Timer	99hr 59min			
Display	High Fidelity Touch Color 3.5inch LCD Display			
Controller	Digital PID Feedback Control High Performance MCU			
Max. Impeller Shaft Diameter	10 mm			
Program Operation	9 Program, 11 Steps			
Others – Special function	Torque Measuring Function in real time Real Time Monitoring by USB port (Option : RS485 Port available for multiple monitoring and control equipment)			
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 L245mm			
Power Consumption	280 W			
Dimensions (w x d x h) & Net Weight	85 X 200 X 250mm, 4.0 Kg / 10.5Kg			
Packing Size (w x d x h) & Gross Weight	310 X 365 X 135mm, 4.7Kg / 290 X 800 X 180mm, 12.3Kg			
Power Supply	1 Phase, AC 100 - 240~, 50/60Hz			

Ordering No.	Model Name	Description
LT.OS03040	Pro OS1-10S	Professional Overhead Stirrer, Digital, Viscosity 50,000, 3,000rpm, 230V
LT.OS03041	Pro OS1-10S-Set	Professional Overhead Stirrer, Digital, Viscosity 50,000, 3,000rpm, 120V
LT.OS03042	Pro OS1-10S-Set	Professional OS1-10S Package, with OSIP010, OSHC010, OSSR030, 230V
LT.OS03043	Pro OS1-10S-Set	Professional OS1-10S Package, with OSIP010, OSHC010, OSSR030, 120V
LT.OS03010	Pro OS1-10	Professional Overhead Stirrer, Digital, Viscosity 70,000, 2,000rpm, 230V
LT.OS03011	Pro OS1-10	Professional Overhead Stirrer, Digital, Viscosity 70,000, 2,000rpm, 120V
LT.OS03012	Pro OS1-10-Set	Professional OS1-10 Package, with OSIP010, OSHC010, OSSR030, 230V
LT.OS03013	Pro OS1-10-Set	Professional OS1-10 Package, with OSIP010, OSHC010, OSSR030, 120V
LT.OS03020	Pro OS1-15	Professional Overhead Stirrer, Digital, Viscosity 100,000, 1,200rpm, 230V
LT.OS03021	Pro OS1-15	Professional Overhead Stirrer, Digital, Viscosity 100,000, 1,200rpm, 120V
LT.OS03022	Pro OS1-15-Set	Professional OS1-15 Package, with OSIP020, OSHC010, OSSR030, 230V
LT.OS03023	Pro OS1-15-Set	Professional OS1-15 Package, with OSIP020, OSHC010, OSSR030, 120V
LT.OS03030	Pro OS1-20	Professional Overhead Stirrer, Digital, Viscosity 150,000, 800rpm, 230V
LT.OS03031	Pro OS1-20	Professional Overhead Stirrer, Digital, Viscosity 150,000, 800rpm, 120V
LT.OS03032	Pro OS1-20-Set	Professional OS1-20 Package, with OSIP030, OSHC010, OSSR030, 230V
LT.OS03033	Pro OS1-20-Set	Professional 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(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)

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

Ordering No.	Model Name	Description
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