

OS20-Pro
OS40-Pro
OS70-Pro

LCD Digital Overhead Stirrer

DLAB Overhead Stirrers are competent for most demanding tasks with guaranteed safety and performance. They are widely used in chemical synthesis, pharmaceutical synthesis, physical and chemical analysis, petrochemical industries, etc.



Speed 50~1100rpm with control accuracy of ± 10 rpm



LCD display of set and actual speed, torque and time (for OS70)



Brushless DC motor for long life, maintenance free



Self - locking drill chuck, tools free



Constant speed despite viscosity change of the sample



Stirring paddle "top-cross" design, easy to replace the container



Spillage and overload protection safety circuits



Start/run smoothly, prevent sample splatter or overflow



Remote PC control and data transmission



Silicone cover protecting drill chuck from erosive vapor



Specifications

	OS20-Pro	OS40-Pro	OS70-Pro
Max. stirring quantity[H ₂ O]	20L	40L	70L
Motor input/output power	60W/50W	120W/100W	180W/160W
Power	70W	130W	200W
Speed range	50~2200rpm	50~2200rpm	50~1100rpm
Speed display accuracy	± 3 rpm	± 3 rpm	± 10 rpm
Time settings range	-	-	0-99h59min
Max. torque	40N•cm	60N•cm	300N•cm
Viscosity max.	10000mPa•s	50000mPa•s	100000mPa•s
Weight	2.8kg	2.8kg	3.2kg
Motor type		Brushless DC motor	
Voltage		100~240V, 50/60 Hz	
Speed display		LCD	
Torque display		LCD	
Overload protection display		LCD	
Chuck range diameter		0.5~10mm	
Dimension[WxHxD]		83 x 220 x 186mm	
Protection class		IP21	
Permissible ambient temperature and humidity		5~40°C, 80%RH	
Data interface		RS232	

OS20-S OS40-S LED Overhead Stirrer

Features

- High reliability and outstanding performance
- A wide range of speed from 50 to 2200rpm
- Brushless DC motor for long life, maintenance free and explosion proof
- LED screen for monitoring actual speed
- Safety circuits allow for safe stop function in anti-stall or overload conditions

Stirring paddle "top-cross" design, easy to replace the container

Spillage and overload protection safety circuit

LED display of set and actual speed

Brushless DC Motor

- Maintenance free
- Explosion-proof
- Precision speed control

Self-locking drill chuck, tools free



Explosion-proof



Wide range of accessories



Specifications	OS20-S	OS40-S
Max. stirring quantity[H ₂ O]	20L	40L
Motor input power	60W	120W
Motor output power	50W	100W
Power	70W	130W
Speed range	50~2200rpm	50~2200rpm
Max. torque	40N•cm	60N•cm
Viscosity max.	10000mPa•s	50000mPa•s
Weight	2.8kg	2.8kg
Motor type	Brushless DC motor	
Voltage	100~240V, 50/60 Hz	
Speed display	LED	
Overload protection display	LED	
Chuck range diameter	0.5~10mm	
Dimension[WxHxD]	83 x 220 x 186mm	
Protection class	IP21	
Permissible ambient temperature and humidity	5~40°C, 80%RH	

Plate Stands

Universal Plate Stand (for OS20/40/70)

Dimension [W x D x H] :
200x310x780mm

Material: stainless steel

Cat. No.

18900258



Grand Plate Stand (for OS70)

Dimension [W x D x H] :
335 x 463 x 780mm

Material: stainless steel

Cat. No.

18900497



Stirrer

Stainless Steel Series

PTFE Coating Series

Grand Series (for OS70)

Propeller stirrer

Shaft length 400mm
Stirrer diameter 50mm
Material: 304L stainless steel
Standard stirring applications
at medium and high speed

Cat No. 18900071



Paddle stirrer

Shaft length 40cm
Stirrer diameter 6.8cm
Material: 304L stainless steel
For gentle mixing at low and
medium speeds

Cat No. 18900073



Straight stirrer

Shaft length 40cm
Stirrer diameter 6cm
Material: 304L stainless steel
For low viscosity media at
medium and high speeds

Cat No. 18900072



Centrifugal stirrer

Shaft length 40cm
Stirrer diameter 9cm
Material: 304L stainless steel
Blades open while speeding.
For narrow neck vessels at
medium to high speed.

Cat No. 18900074



Propeller stirrer

Shaft length 400mm
Stirrer diameter 50mm
Material: PTFE coated
Standard stirring applications
at medium and high speed

Cat No. 18900075



Paddle stirrer

Shaft length 40cm
Stirrer diameter 6.8cm
Material: PTFE coated
For gentle mixing at low and
medium speeds

Cat No. 18900077



Straight stirrer

Shaft length 40cm
Stirrer diameter 6cm
Material: PTFE coated
For low viscosity media at
medium and high speeds

Cat No. 18900076



Centrifugal stirrer

Shaft length 40cm
Stirrer diameter 9cm
Material: PTFE coated
Blades open while speeding.
For narrow neck vessels at
medium to high speed.

Cat No. 18900078



Grand propeller stirrer

Shaft length 600mm
Stirrer diameter 10cm
Material: 316L stainless steel
Standard stirring

Cat No. 18900478



Grand paddle stirrer

Shaft length 60cm
Stirrer diameter 10cm
Material: 316L stainless steel
Gentle mixing for those stratify
easily or sensitive to shear

Cat No. 18900499



Grand anchor stirrer

Shaft length 60cm
Stirrer diameter 10cm
Material: 316L stainless steel
Standard stirring or for those
easily precipitate

Cat No. 18900498



Grand dissolving stirrer

Shaft length 60cm
Stirrer diameter 10cm
Material: 316L stainless steel
Breaking down granules in the
mixture with strong shear

Cat No. 18900500

