

# 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.



Specifications	OS20-Pro	OS40-Pro	OS70-Pro
Max. stirring quantity[H <sub>2</sub> O]	20L	40L	70L
Speed range	50~2200rpm	50~2200rpm	50~1100rpm
Speed display accuracy	± 3rpm	± 3rpm	± 10rpm
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	Brushless DC motor	Brushless DC motor
Voltage,Frequency	100~240V, 50/60 Hz	100~240V, 50/60 Hz	100~240V, 50/60 Hz
Speed display	LCD	LCD	LCD
Torque display	LCD	LCD	LCD
Overload protection display	LCD	LCD	LCD
Chuck clamp range diameter	0.5~10mm	0.5~10mm	0.5~10mm
Motor input/output power	60W/50W	120W/100W	180W/160W
Power	70W	130W	200W
Dimension[WxHxD]	83 x 220 x 186mm	83 x 220 x 186mm	83 x 220 x 186mm
Protection class	IP21	IP21	IP21
Permissible ambient temperature and humidity	5~40°C,80%RH	5~40°C,80%RH	5~40°C,80%RH
Data interface	RS232	RS232	RS232



# OS20-S/OS40-S

## LED Overhead Stirrer

### Features

- High reliability and outstanding performance
- 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
- Large chuck diameter for many shaft types

### Plate Stands

#### Universal Plate Stand (for OS20/40/70)

Cat. No.18900258



Dimension [W x D x H] :  
20x31x78cm  
Material: cast iron

#### Grand Plate Stand (for OS70)















Cat. No.18900497



Dimension [W x D x H] :  
33,5x46,3x78cm  
Material: cast iron

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

DLAB Overhead Stirrer provides a variety of stirring tools, such as impellers, paddles and blades:

<b>Propeller stirrer</b>	<b>Cat. No.18900071</b>	<b>Paddle stirrer</b>	<b>Cat. No.18900073</b>
<p>Shaft length: 40cm Stirrer diameter: 5cm Shaft diameter: Ø8mm Material: 316L stainless steel Standard stirring applications at medium and high speed</p>		<p>Shaft length: 40cm Stirrer diameter: 6,8cm Shaft diameter: Ø8mm Material: 316L stainless steel For gentle mixing at low and medium speeds</p>	
<b>Straight stirrer</b>	<b>Cat. No.18900072</b>	<b>Centrifugal stirrer</b>	<b>Cat. No.18900074</b>
<p>Shaft length: 40cm Stirrer diameter: 6cm Shaft diameter: Ø8mm Material: 316L stainless steel For low viscosity media at medium and high speeds</p>		<p>Shaft length: 40cm Stirrer diameter: 9cm Shaft diameter: Ø8mm Material: 316L stainless steel Blades open while speeding. For narrow neck vessels at medium to high speed.</p>	
<b>Propeller stirrer</b>	<b>Cat. No.18900075</b>	<b>Paddle stirrer</b>	<b>Cat. No.18900077</b>
<p>Shaft length: 35cm Stirrer diameter: 6,5cm Shaft diameter: Ø8mm Material: PTFE coated Standard stirring applications at medium and high speed</p>		<p>Shaft length: 35cm Stirrer diameter: 6,8cm Shaft diameter: Ø8mm Material: PTFE coated For gentle mixing at low and medium speeds</p>	
<b>Straight stirrer</b>	<b>Cat. No.18900076</b>	<b>Centrifugal stirrer</b>	<b>Cat. No.18900078</b>
<p>Shaft length: 35cm Stirrer diameter: 7cm Shaft diameter: Ø8mm Material: PTFE coated For low viscosity media at medium and high speeds</p>		<p>Shaft length: 35cm Stirrer diameter: 8,5cm Shaft diameter: Ø8mm Material: PTFE coated Blades open while speeding. For narrow neck vessels at medium to high speed.</p>	
<b>Grand propeller stirrer</b>	<b>Cat. No. 18900478</b>	<b>Grand paddle stirrer</b>	<b>Cat. No.18900499</b>
<p>Shaft length: 60cm Stirrer diameter: 10cm Shaft diameter: Ø8mm Material: 316L stainless steel Standard stirring</p>		<p>Shaft length: 60cm Stirrer diameter: 10cm Shaft diameter: Ø8mm Material: 316L stainless steel Gentle mixing for those stratify easily or sensitive to shear</p>	
<b>Grand anchor stirrer</b>	<b>Cat. No. 18900498</b>	<b>Grand dissolving stirrer</b>	<b>Cat. No.18900500</b>
<p>Shaft length: 60cm Stirrer diameter: 10cm Shaft diameter: Ø8mm Material: 316L stainless steel Standard stirring or for those easily precipitate</p>		<p>Shaft length: 60cm Stirrer diameter: 10cm Shaft diameter: Ø8mm Material: 316L stainless steel Breaking down granules in the mixture with strong shear</p>	
<b>Flat-blade stirrer</b>	<b>Cat. No. 18900625</b>	<b>Anchor stirrer</b>	<b>Cat. No.18900627</b>
<p>Shaft length: 40cm Stirrer diameter: 6cm Shaft diameter: Ø8mm Material: 316L stainless steel Suitable for medium speed stirring, low viscosity and medium viscosity materials</p>		<p>Shaft length: 40cm Stirrer diameter: 6cm Shaft diameter: Ø8mm Material: 316L stainless steel Suitable for low speed stirring, medium viscosity and high viscosity materials</p>	
<b>Radial-flow stirrer</b>	<b>Cat. No. 18900626</b>	<b>Spiral stirrer</b>	<b>Cat. No. 18900628</b>
<p>Shaft length: 40cm Stirrer diameter: 5cm Shaft diameter: Ø8mm Material: 316L stainless steel Suitable for medium speed or high speed agitation, low viscosity or medium viscosity materials, recommended for the treatment of gas in liquid</p>		<p>Shaft length: 40cm Stirrer diameter: 5cm Shaft diameter: Ø8mm Material: 316L stainless steel Suitable for medium speed or high speed agitation, medium viscosity and high viscosity materials, recommended for liquid homogenization or suspension treatment</p>	