



DLAB Overhead Stirrers can accomplish the most demanding tasks and provide high safety and increased performance. They are widely used in chemical synthesis, pharmaceutical synthesis, physical and chemical analysis, petrochemical industries, etc.

## OS20-Pro OS40-Pro LCD Digital Overhead Stirrer

### Features:

- High reliability and outstanding performance
- LCD display for precise monitoring of set and actual speeds, a wide range of speed from 50 to 2200rpm with control accuracy of  $\pm 3$  rpm
- Brushless DC motor for long life, maintenance free and explosion proof
- Torque trend display for real-time information on viscosity changes
- Safety circuits allow for safe stop function in anti-stall or overload conditions
- Smooth operation prevents accidental spillage and splashing
- Provides constant speed even with changes in viscosities of the sample
- Remote function provide PC control and data transmission
- Availability of auto - restart function in case of power loss for overnight operations.



LCD display



Torque display



Speed adjusting with viscosity changing



Wide range of accessory



### Specifications

Max. stirring quantity[H <sub>2</sub> O]	
Motor type	
Motor input power	
Motor output power	
Voltage	
Power	
Speed range	
Speed display accuracy	
Speed display	
Torque display	
Overload protection display	
Max. torque	
Viscosity max.	
Chuck range diameter	
Dimension [W x H x D]	
Weight	
Protection class	
Permissible ambient temperature and humidity	
Data connector	

	OS20-Pro	OS40-Pro
Max. stirring quantity	20L	40L
Motor type	brushless DC motor	brushless DC motor
Motor input power	60W	120W
Motor output power	50W	100W
Voltage	100-220V, 50/60 Hz	100-220V, 50/60 Hz
Power	70W	130W
Speed range	50-2200rpm	50-2200rpm
Speed display accuracy	$\pm 3$ rpm	$\pm 3$ rpm
Speed display	LCD	LCD
Torque display	LCD	LCD
Overload protection display	LED lights	LED lights
Max. torque	40Ncm	60Ncm
Viscosity max.	10000mPas	50000mPas
Chuck range diameter	0.5-10mm	0.5-10mm
Dimension [W x H x D]	83 x 220 x 186mm	83 x 220 x 186mm
Weight	2.8kg	2.8kg
Protection class	IP21	IP21
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH
Data connector	RS232	RS232

# Overhead Stirrers | Accessories

## Universal plate stand

Dimension [W x D x H] :  
200 x 310 x 780mm  
Material: stainless steel

**Cat. No.**  
18900258



## Paddle stirrer

shaft length 40cm  
stirrer diameter 6.8cm  
**Material:** 316L stainless steel  
**Application:** Suitable for samples needed gentle processing at low and medium speeds

**Cat. No.**  
18900073



## Centrifugal stirrer

shaft length 40cm  
stirrer diameter 9cm  
**Material:** 316L stainless steel  
**Application:** Two-bladed stirrer who's blades open with increasing speed. perfect for stirring in round vessels with narrow necks. Medium to high speeds required.

**Cat. No.**  
18900074



## Propeller stirrer

shaft length 400mm  
stirrer diameter 50mm  
**Material:** 316L stainless steel  
**Application:** Standard stirring element used at medium and high speeds

**Cat. No.**  
18900071



## Propeller stirrer

shaft length 35cm  
stirrer diameter 6.5cm  
**Material:** PTFE coated  
**Application:** Standard stirring element, used at medium and high speeds

**Cat. No.**  
18900075



## Straight stirrer

shaft length 35cm  
stirrer diameter 7cm  
**Material:** PTFE coated  
**Application:** Ideal for the mixing of low viscosity media at medium and high speeds

**Cat. No.**  
18900076



## Paddle stirrer

shaft length 35cm  
stirrer diameter 6.8cm  
**Material:** PTFE coated  
**Application:** Suitable for samples needed gentle processing at low and medium speeds

**Cat. No.**  
18900077



## Centrifugal stirrer

shaft length 35cm  
stirrer diameter 8.5cm  
**Material:** PTFE coated  
**Application:** Two-bladed stirrer who's blades open with increasing speed. perfect for stirring in round vessels with narrow necks. Medium to high speeds required

**Cat. No.**  
18900078





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**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

