

OniLab Overhead Stirrers are designed for high volume and high viscosity sample stirring applications. These are used in polymer processing, organic and inorganic solvent mixing, chemical synthesis and many more pharmaceutical applications.

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

### Features

- Easy and user friendly operation with LCD digital display of set and actual speeds.
- Speed adjustable from 50-2200rpm with precise speed control.
- High performance BLDC motor with overload protection.
- Speed maintains as the viscosity changes.
- RS232 interface to control and document the necessary data.
- Microprocessor controlled safety circuits prevent splashing.
- Powerful torque suitable for stirring of highly viscous liquids.

Specifications	OS20-Pro	OS40-Pro
Max. stirring quantity[H <sub>2</sub> O]	20L	40L
Motor type	brushless DC motor	brushless DC motor
Motor input power	60W	120W
Motor output power	50W	100W
Voltage	100-240V, 50/60 Hz	100-240V, 50/60 Hz
Power	70W	130W
Speed range	50-2200rpm	50-2200rpm
Speed display accuracy	±3rpm	±3rpm
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[WxHxD]	83x220x186mm	83x 220x 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



## OS20-S OS40-S LED Digital Overhead Stirrer

### Features

- Easy and user friendly operation with LED digital display of actual speeds.
- Speed adjustable from 50-2200rpm with precise speed control.
- High performance BLDC motor with overload protection.
- Speed maintains as the viscosity changes.
- These stirrers are rated with protection class of IP42.
- Microprocessor controlled safety circuits prevent splashing.
- A wide range of shaft accessories makes them suitable for different kinds of applications.



### Specifications

Specifications	OS20-S	OS40-S
Max. stirring quantity(H <sub>2</sub> O)	20L	40L
Motor type	brushless DC motor	brushless DC motor
Motor input power	60W	120W
Motor output power	50W	100W
Voltage	100-240V, 50/60 Hz	100-240V, 50/60 Hz
Power	70W	130W
Speed range	50-2200rpm	50-2200rpm
Speed display accuracy	±3rpm	±3rpm
Speed display	LED	LED
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[WxHxD]	83x220x186mm	83x.220x186mm
Weight	2.8kg	2.8kg
Protection class	IP42	IP42
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C 80%RH

### Universal plate stand

Dimension [W x D x H] : 200x310x780mm  
Material: stainless steel

**Cat. No.**

18900258



### 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



### Straight stirrer

shaft length 40cm  
stirrer diameter 6cm  
**Material:** 316L stainless steel  
**Application:** Ideal for the mixing of low viscosity media at medium and high speeds

**Cat. No.**

18900072



### 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 whose 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 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 whose blades open with increasing speed. perfect for stirring in round vessels with narrow necks. Medium to high speeds required

**Cat. No.**

18900078

