

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 within 50-2200rpm with precise speed control.
- High performance BLDC motor with overload protection.
- Speed maintains as the viscosity changes.
- RS232 interface to control and data document.
- Microprocessor controlled safety circuits prevent splashing.
- Powerful torque suitable for stirring of highly viscous liquids.



| Specifications                               | OS20-Pro           | OS40-Pro           |
|--|--------------------|--------------------|
| Max. stirring volume[H <sub>2</sub> O]       | 20L                | 40L                |
| Motor type                                   | brushless DC motor | brushless DC motor |
| Motor rating input                           | 60W                | 120W               |
| Motor rating output                          | 50W                | 100W               |
| Voltage                                      | 100-240V, 50/60 Hz | 100-240V, 50/60 Hz |
| Power  | 70W                | 130W               |
| Speed range                                  | 50-2200rpm         | 50-2200rpm         |
| Speed control accuracy                       | ±3rpm              | ±3rpm              |
| Speed display                                | LCD                | LCD                |
| Torque display                               | LCD                | LCD                |
| Overload protection display                  | LED indicator      | LED indicator      |
| Max. torque                                  | 40N-cm             | 60N-cm             |
| Max. viscosity                               | 10000mPa-s         | 50000mPa-s         |
| Chuck clamping range                         | 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 interface                               | 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 within 50-2200rpm with precise speed control.
- High performance BLDC motor with overload protection.
- Speed maintains as the viscosity changes.
- Protection class of IP42.
- Microprocessor controlled safety circuits prevent splashing.
- A wide range of shaft accessories for different kinds of applications.



| Specifications                               | OS20-S             | OS40-S             |
|--|--------------------|--------------------|
| Max. stirring volume(H <sub>2</sub> O)       | 20L                | 40L                |
| Motor type                                   | brushless DC motor | brushless DC motor |
| Motor rating input                           | 60W                | 120W               |
| Motor rating output                          | 50W                | 100W               |
| Voltage                                      | 100-240V, 50/60 Hz | 100-240V, 50/60 Hz |
| Power  | 70W                | 130W               |
| Speed range                                  | 50-2200rpm         | 50-2200rpm         |
| Speed control accuracy                       | ±3rpm              | ±3rpm              |
| Speed display                                | LED                | LED                |
| Overload protection display                  | LED indicator      | LED indicator      |
| Max. torque                                  | 40N-cm             | 60N-cm             |
| Max. viscosity                               | 10000mPa-s         | 50000mPa-s         |
| Chuck clamping range                         | 0.5-10mm           | 0.5-10mm           |
| Dimension[WxHxD]                             | 83x220x186mm       | 83x220x186mm       |
| Weight                                       | 2.8kg              | 2.8kg              |
| Protection class                             | IP21               | IP21               |
| 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.**

1890007



### 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 of which blades open at an increasing angle as the speed increases. 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 of which blades open at an increasing angle as the speed increases. Perfect for stirring in round vessels with narrow necks. Medium to high speeds required

**Cat. No.**

18900078

