



## Digital Overhead Stirrers

OS40-Pro / OS20-Pro

OS40-S / OS20-S



CE ISO 9001/13485  
CERTIFIED

[www.scilogex.com](http://www.scilogex.com)

SCIOLOGEX, LLC

330131

Our powerful overhead stirrers are suitable for mixing high viscosity liquids and are widely used in chemical synthesis, pharmaceutical, physical and chemical analysis, petrochemical, cosmetics, health care, food, biotechnology fields.

## LCD Digital Overhead Stirrers OS40-Pro / OS20-Pro

### Features

- ❑ High reliability, long continuous service, outstanding performance
- ❑ Speed range from 50 to 2200rpm, the speed is accurate and controllable
- ❑ Brushless DC motor drive, low noise, maintenance free
- ❑ Set value and actual value can be displayed, real-time monitoring of torque and speed via LCD display
- ❑ Overload protection: motor will automatically stop in case of continuous overload
- ❑ High torque for viscous medium stirring
- ❑ Safety circuit: automatically stops motor in abnormal conditions
- ❑ RS232 for PC control



OS40-Pro / OS20-Pro

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

### Features

- ❑ High reliability, long continuous service, outstanding performance
- ❑ Speed range from 50 to 2200rpm, the speed is accurate and controllable
- ❑ Brushless DC motor drive, low noise, maintenance free
- ❑ Analog speed control with LED real-time display of speed
- ❑ Overload protection: motor will automatically stop in case of continuous overload
- ❑ Safety circuit: automatically stops the motor in abnormal conditions
- ❑ High torque for viscous medium stirring



OS40-S / OS20-S

## Specifications

	OS40-Pro	OS20-Pro	OS40-S	OS20-S
Max. stirring quantity (H <sub>2</sub> O) [L]	40	20	40	20
Motor rating input [W]	120	60	120	60
Motor rating output [W]	100	50	100	50
Speed range [rpm]	50-2200	50-2200	50-2200	50-2200
Speed display	LCD	LCD	LED	LED
Speed display accuracy [rpm]	±3	±3	—	—
Speed display resolution [rpm]	±1	±1	±1	±1
Max. torque [Ncm]	60	40	60	40
Overload protection	LED warning, auto stop.	LED warning, auto stop.	LED warning, auto stop.	LED warning, auto stop.
Motor protection	LED warning, auto stop.	LED warning, auto stop.	LED warning, auto stop.	LED warning, auto stop.
Viscosity max. [mPas]	50000	10000	50000	10000
Chuck range diameter [mm]	0.5-10	0.5-10	0.5-10	0.5-10
Rod size [dia.xl] (mm)	14 x 220	14 x 220	14 x 220	14 x 220
Dimension (W x H x D) [mm]	83 x 220 x 186	83 x 220 x 186	83 x 220 x 186	83 x 220 x 186
Weight [kg]	2.8	2.6	2.8	2.6
Voltage [VAC]	100-240	100-240	100-240	100-240
Frequency [Hz]	50/60	50/60	50/60	50/60
Power [W]	130	70	130	70
Protection class acc. to DIN/EN 60529	IP21	IP21	IP21	IP21
Temperature [°C]	5-40	5-40	5-40	5-40
Permissible relative humidity [%]	80	80	80	80
RS 232 interface	Yes	Yes	—	—



## Ordering information

Cat. No.	Description
84020301	OS40-Pro LCD Digital Overhead Stirrer, excludes impeller & stand, 110V/60Hz
84010331	OS20-Pro LCD Digital Overhead Stirrer, excludes impeller & stand, 110V/60Hz
84020221	OS40-S LED Digital Overhead Stirrer, excludes impeller & stand, 110V/60Hz
84020231	OS20-S LED Digital Overhead Stirrer, excludes impeller & stand, 110V/60Hz

## Accessories

Cat. No.	Description
18900069	Spare chuck
18900131	Plate stand (200mmW x 315mmD x 780mmH), inc. support clamp
18900071	Cross impeller, 316L stainless steel
18900072	Straight impeller, 316L stainless steel
18900073	Paddle impeller, 316L stainless steel
18900074	Centrifugal impeller, 316L stainless steel
18900075	Cross impeller, PTFE-coated
18900076	Straight impeller, PTFE-coated
18900077	Paddle impeller, PTFE-coated
18900078	Centrifugal impeller, PTFE-coated



18900071  
Cross impeller, 316L  
stainless steel



18900072  
Straight impeller,  
316L stainless steel



18900073  
Paddle impeller,  
316L stainless steel



18900074  
Centrifugal impeller,  
316L stainless steel



18900075  
Cross impeller,  
PTFE-coated



18900076  
Straight impeller,  
PTFE-coated



18900077  
Paddle impeller,  
PTFE-coated



18900078  
Centrifugal impeller,  
PTFE-coated



18900131  
Plate stand