



## Digital Overhead Stirrers

OS40-Pro / OS20-Pro

OS40-S / OS20-S



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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                          |

