

# DIGITAL OVERHEAD STIRRER WITH COLOR LCD

A brushless overhead stirrer for 20, 40 or 60 L batches, with forward and reverse rotation and viscosities up to 80,000 mPa·s.

## COLOR LCD

Shows set and actual speed, time and torque in real time.

## SELF-LOCKING CHUCK

Change paddles without tools. Clamps shafts from 0.04 to 0.39 in.

## STABLE BASE

A 13.8 × 11.8 in reinforced base plate supports large vessels.

## BRUSHLESS DC MOTOR

Maintenance-free, long-lasting power for routine and high-viscosity mixing.

## FORWARD AND REVERSE

Bidirectional rotation improves mixing in difficult formulations.

## ±1 RPM CONTROL

Hold any speed from 60 to 2,000 rpm precisely.

## UP TO 100 N·CM

Torque for viscous formulations, by model.

## 20, 40 OR 60 L

Three models for small through large batches.

## TORQUE READOUT

Watch torque live to follow changes in viscosity.

**60–2,000 rpm**

SPEED

**Up to 60 L**

CAPACITY

**Up to 80,000 mPa·s**

VISCOSITY

**Up to 100 N·cm**

TORQUE

## BUILT FOR BIG BATCHES AND THICK MIXTURES

The Novara overhead stirrer handles everything from routine mixing to viscous formulations up to 80,000 mPa·s. A brushless DC motor delivers up to 100 N·cm of torque, depending on model, with speed held to ±1 rpm.

The color LCD shows set and actual speed, time and torque. Forward and reverse modes improve mixing, and a digital timer runs from 1 minute to 99 hours 59 minutes.

The stainless steel shaft and paddle resist corrosion, and the self-locking chuck makes paddle changes quick.

### CHOOSE YOUR CAPACITY

20, 40 and 60 L models share the same controls, so labs can scale up without learning a new instrument.

### APPLICATIONS

Pharmaceutical formulations, polymer synthesis, emulsions, cosmetics, food science and QC testing.

### IN THE BOX

Main unit, power adapter, stand, base plate, clamp, stainless steel paddle, wrench, manual.

## SPECIFICATIONS

|                   |                                |
|-------------------|--------------------------------|
| Speed range       | 60–2,000 rpm, ±1 rpm           |
| Maximum viscosity | 80,000 mPa·s                   |
| Maximum torque    | Up to 100 N·cm, by model       |
| Rotation          | Forward and reverse            |
| Timer             | 1 min to 99 h 59 min           |
| Display           | Color LCD: speed, time, torque |
| Chuck             | Self-locking, 0.04–0.39 in     |
| Shaft and paddle  | 304 stainless steel            |
| Base plate        | 13.8 × 11.8 in                 |
| Power adapter     | 100–240V, 50/60Hz              |

## ORDERING INFORMATION

| Catalog no. | Description                     |
|-------------|---------------------------------|
| OS20        | Overhead stirrer, 20 L capacity |
| OS40        | Overhead stirrer, 40 L capacity |
| OS60        | Overhead stirrer, 60 L capacity |

## COMPARE NOVARA STIRRERS

|          | HSD6                      | MS-AIR                      | OB Pro                      | OS               |
|----------|---------------------------|-----------------------------|-----------------------------|------------------|
| Type     | Magnetic hotplate stirrer | Ultra-thin magnetic stirrer | PTFE-lined oil bath stirrer | Overhead stirrer |
| Speed    | 50–2,000 rpm              | 15–1,500 rpm                | 0–2,500 rpm                 | 60–2,000 rpm     |
| Heating  | Up to 350°C               | None                        | RT to 300°C                 | None             |
| Capacity | 20 L                      | 4.4 lb load                 | 2, 3 or 5 L                 | 20, 40 or 60 L   |