

# OS-T40-Plus/OS-T60-Plus/ OS-T400-Plus

## LCD Digital Timed Overhead Stirrer



## Features

- Timing function: Timing range ' min- h min.
- Thermometer function: There is an external temperature sensor inlet that plugs into the instrument and displays the sample temperature.
- Safety lock to prevent accidental change of operation.
- Paddle "through-the-top" design for easy container replacement.
- LCD display of speed, torque, timing, temperature, etc.
- Constant speed, automatically adjusts the torque according to changes in sample viscosity and maintains the set speed.
- The speed can be switched forward and reverse.
- Buzzer: When the machine malfunctions, or the timer function counts down to the end of the buzzer will emit a "drip drip drip" sound.
- Without external transformer, the machine is safer to use.
- Calibration can be achieved for torque and temperature of the sample.

Specifications	OS-T40-Plus	OS-T60-Plus	OS-T400-Plus
Max.stirring quantity[H <sub>2</sub> O]	30L	50L	100L
Speed range	50~2200rpm	50~2200rpm	A gear: 10-400 rpm; B gear: 50-2000 rpm
Speed control accuracy	±3 rpm	±3 rpm	±3 rpm
Time settings range	0min-99h59min	0min-99h59min	0min-99h59min
Max. torque	40N·cm	60N·cm	400N·cm
Viscosity max.	10000mPa·s	50000mPa·s	150000mPa·s
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Speed display	LCD	LCD	LCD
Torque display	LCD	LCD	LCD
Forward and reverse rotation	Forward, reverse, intermittent mixing	Forward, reverse, intermittent mixing	-
Temperature display accuracy	0.1°C	0.1°C	0.1°C
External temperature sensor	PT1000 (accuracy±0.2)	PT1000 (accuracy±0.2)	PT1000 (accuracy±0.2)
Overload protection display	LCD	LCD	LCD
Chuck clamp range diameter	2-10mm	2-10mm	2-10mm
Data interface	RS485、Type-C、USB	RS485、Type-C、USB	RS485、Type-C、USB
Voltage,Frequency	100~240V, 50/60 Hz	100~240V, 50/60 Hz	100~240V, 50/60 Hz
Motor input/output power	60W/50W	110W/100W	180W/170W
Power	70W	120W	300W
Dimension[WxHxD]	90x240x227mm	90x240x227mm	101x270x264mm
Weight	3.5Kg	3.5Kg	5.2Kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH
Protection class	IP42	IP42	IP42

## Applications

- Field of chemical synthesis, field of material science.
- Food analysis field: homogenisation for sample pre-treatment.
- Biopharmaceuticals: pills, tablets, raw material mixing, colloidal gold preparation, etc.
- Food processing: butter, ketchup, eggs, jaggery, etc.
- Cosmetics: creams, ointments, shampoos, conditioners, etc.
- Building materials: earth, mortar, clay, stone dust, etc.

