

## Remotely Controllable High Torque / High Speed Stirrer

WB3000-C / WB1800-C / WB3000-EC / WB1800-EC

- > Suitable for reaction systems and other high torque / high speed applications
- > Set speed can be maintained when viscosity of liquid changes
- > Brushless DC motor made in Germany, for high performance stirring processes
- > Maintenance-free
- > Quiet and reliable
- > Digitally adjustable rotation speed and direction
- > Remote controller can display actual speed and actual torque as well as the set speed
- > Digital (RS-232/485) and analog communication available for remote PC or PLC control

### Features

- > Vibration-free and silent operation.
- > Powerful torque capable of handling high viscosity tasks.
- > Maintenance of constant motor speed by control system even under conditions of changing viscosity.
- > Best effort function intelligently manages its stirring speed to keep stirring even if the workload is out of its capacity.
- > Prevention of accidental spills or splashes thanks to microprocessor-controlled smooth start and stop functions.

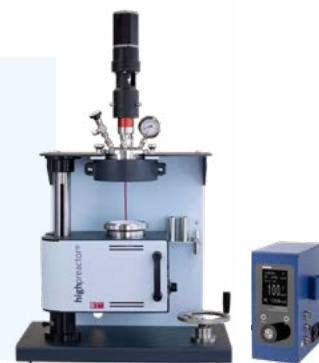


### Practical external controller.

- > Intuitive and easy control with touch TFT.
- > It enables convenient and safe external control without opening the sash of the fume hood or safety cabinet.
- > Compact and slim head design for diverse flexibility in configuring other test equipment and accessories. (optional)

### Safety

- > Sturdy aluminum main body efficiently absorbing and emitting the heat generated by the motor.
- > Separated adapter from the main body minimizes the risks of electrical hazards to the users.



### Specifications

Model	WB3000-C	WB1800-C	WB3000-EC	WB1800-EC
Order No.	100401	100601	100402	100602
Speed range [rpm]	70~3000	20~800	70~3000	20~800
Setting accuracy speed [rpm]	1	1	1	1
Deviation of speed measurement n > 300rpm	±3 %	±3 %	±3 %	±3 %
Speed Display	TFT display	TFT display	TFT display	TFT display
Clockwise or counterclockwise of stirring	Yes	Yes	Yes	Yes
Speed setting	Touch key and turning knob	Touch key and turning knob	Touch key and turning knob	Touch key and turning knob
Stirring quantity max [L / H <sub>2</sub> O]	100	100	100	100
Power [W]	150	150	450	450
Motor principle	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor
Torque max. at stirring shaft [N-cm]	330	1320	410	1640
Housing material	Powered coated SS housing	Powered coated SS housing	Powered coated SS housing	Powered coated SS housing
IP code	IP42   IP40	IP42   IP40	IP42   IP40	IP42   IP40
Interface RS-232/485 and analog connection	Yes	Yes	Yes	Yes
Dimensions of motor (W x H x D) [mm]	95 x 215 x 150	95 x 215 x 150	95 x 215 x 150	95 x 215 x 150
Weight (Stirrer / Controller) [kg]	3.4 / 0.5	3.4 / 0.5	3.4 / 0.5	3.4 / 0.5
Power supply	100~240VAC,50/60Hz	100~240VAC,50/60Hz	100~240VAC,50/60Hz	100~240VAC,50/60Hz