

# Laboratory Stirrer

## LT400/500 Series

Max. Speed Range 3,000rpm (400 model) 1,200rpm (500 model)

Operation Wide speed range  
Wide torque range



LT400B

\*Operational accessories purchased separately



LT series stirrers include LT400A and LT500A with higher torque, LT400B and LT500B with well-balanced speed and torque, and LT400C and LT400D with high speed to support different applications.

- Highly sensitive feedback system keeps the set speed even with changing viscosity during stir
- Maintenance free DC brushless motor
- Digital speed indicator for accurate speed setting and confirmation
- Noise prevention measures for optimal work environment
- More safety-oriented design

### Specifications

Model	LT400A	LT400B	LT400C	LT400D	LT500A	LT500B
Viscosity of sample	High	Medium	Medium-low	Low	High	Medium
Speed range	10~300rpm	15~600rpm	25~1,200rpm	60~3,000rpm	15~600rpm	25~1,200rpm
Torque	0.9N•m (9.0kgf•cm)	0.5N•m (5.0kgf•cm)	0.3N•m (3.0kgf•cm)	0.1N•m (1.0kgf•cm)	1.0N•m (10.0kgf•cm)	0.6N•m (6.0kgf•cm)
Motor	DC brushless motor 30W			DC brushless motor 70W		
Speed control	Feedback control					
Panel display	Digital speed display, Overload display <sup>*1</sup> , Torque indicator (20% gradation) <sup>*2</sup>					
Chuck	ø8mm drill chuck					
Safety device	Current limit circuit <sup>*3</sup> , Thermal protector <sup>*4</sup> , Drill chuck cover					
External dimensions	W146 x D154 x H165mm					
Power source	AC100V~AC125V 50/60Hz					
Power cord	Power supply cord with bipolar grounding type plug 2m					
Weight	2.4kg					
Included accessories	Clamp, Safety cover, Chuck handle					
Operational accessories*	Stirring shaft (stainless steel or glass), propellers (different types and sizes), stand and rod					

\*1, When load exceeding the maximum torque is applied, tachometer display flashes.

\*2, Torque indicator LED displays the loading status by 5 gradation.

\*3, When load exceeding the maximum torque is applied, current limit circuit automatically controls the current to protect the motor.

\*4, When temperature of the motor exceeds the upper limit temperature, thermal protector shuts off the current flowing to the motor and prevents it from burnout.

# Digital Laboratory Stirrer

## LR500A/B Series

Max. Speed Range 1,000rpm

Operation Low noise  
Maintenance free

- DC brushless motor considered superior in safety as there are no brushes to cause sparks and no brush replacement required
- Direct-drive system reduces noise and require low maintenance
- Achieves high torque enabling stirring of high viscosity solution
- Digital tachometer for easy speed setting and

- confirmation
- Load on the stirring shaft can be monitored by LED2 display. An overload lamp turns on when exceeding the maximum load, stopping the motor automatically
- Revolution feedback control function can maintain the setting rate despite change of load (especially suitable for high viscosity samples)

### Specifications

Model	LR500A	LR500B
Speed range <sup>*1</sup>	34~340rpm	100~1,000rpm
Max. torque	1.96N•m (20kgf•cm)	0.98N•m (10kgf•cm)
Display of speed / torque	Digital, 3-digit / Green LED, 2 Steps + Overload Display	
Motor (brushless DC)	70W	100W
Speed control	Speed Feedback Control	
Safety device	Stops when overloaded	
Stirring function / shaft dia.	Gearless Direct Drive Type / ø10mm	
Power source	AC100 -125V, 50/60Hz, 3A	AC100 -125V, 50/60Hz, 3.5A
Included accessories	Stirring shaft (ø10*500mm), 75mm 4-blade propeller, clamp	
Operational accessories*	Stand and rod	
Optional accessories	Propellers (different types and sizes), vacuum adapter, extra long stirring shaft (ø10*800mm), glass stirring shaft	

\*1, No load



LR500A

\*Operational accessories purchased separately