

# 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 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	LT500A	LT500B
Viscosity of sample	High	Medium	Medium-low	High	Medium
Speed range	10~300rpm	15~600rpm	25~1,200rpm	15~600rpm	25~1,200rpm
Torque	0.9N·m (9.0kgf·cm)	0.5N·m (5.0kgf·cm)	0.3N·m (3.0kgf·cm)	1.0N·m (10.0kgf·cm)	0.6N·m (6.0kgf·cm)
Motor	DC brushless motor 30W				
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