

Laboratory Stirrer

LT400/500 Series

Max. Speed Range	10~300rpm LT400A	15~600rpm LT400B/LT500A	25~1,200rpm LT400C/LT500B	60~3,000rpm LT400D
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DC brushless motor and feedback control ensure high torque and stable rotation. It can be used in the range of AC100 to 125V by adopting a free power supply.

Features

- Wide range of rotation
- Standard torque type LT400 and high torque type LT500
- Maintenance free DC brushless motor.
- Digital speed indicator for accurate speed setting and confirmation
- Equipped with a torque indicator to monitor the load applied to the agitation shaft.
- Power supply is compatible with AC100 to 125V.

Safety

It is equipped with a current limiting circuit, motor thermal protector, and drill chuck safety cover.



Operating part



LT400A

LT500A

*Stand, Stirring shaft and stirring propeller are optional
*Glassware is not included

Specifications

Product code	231346	231347	231348	231349	231328	231329
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*1, Torque indicator (20% gradation)*2					
Chuck	ø8mm drill chuck					
Safety device	Current limit circuit*3, Thermal protector*4, Drill chuck cover					
External dimensions	W146×D154×H165mm					
Power source 50/60Hz	AC100V~AC125V Single phase or AC220V, Single phase with step-down transformer					
Power cord	Power supply cord with 2-pole grounding plug (2m)					
Weight	Approx. 2.4kg					
Included accessories	Clamp, Safety cover, Chuck handle					

*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.

Optional items

No.	Product name	Product code
①	Y type stand	231086
②	Stirring shaft	231384
③	Adapter for depressurization stirrer, Joint:T24/40	231380
④	Adapter for depressurization stirrer, Joint:T29/42	231381
⑤	Auxiliary stirrer	231382
⑥	Mounting bracket for water tank	231032