Laboratory Stirrer

LT400/500 Series

Max. Speed Range

10~300rpm LT400A

15~600rpm LT400B/LT500A

25~1,200rpm LT400C/LT500B

60~3,000rpm

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



*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 | | | | | W |
| 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 | | | | |