



Installation Instructions

1. Unpack the instrument carefully and place the instrument on a stable, clean, non-slip and fireproof surface.
2. Ensure good working environment free of any combustible media or flammable materials to avoid additional hazards.
3. Place the shaker at >10cm distance from the wall and other units if using multiple units together.
4. Ensure that there is no accidental spillage during speed setting.
5. Do not use any combustible media or flammable materials to avoid any additional hazards.
6. Ensure that the label indicated the correct voltage before connecting the unit to power supply.
7. Do not operate the unit with a damaged power cord.
8. Disable the power supply while fitting the accessories.
9. Ensure that the unit and its accessories are in good working condition before each operation.

Operating Procedure

LED Digital Model Orbital Shaker

1. Switch power ON and the instrument starts to self-check.
2. Press the “Mode Key” and the unit enters into adjustment mode.
3. Press the “+ / - Keys ” and confirm the set speed and time.Adjust the speed and time to desired setting.
4. Press the“Start Key” , the instrument starts the shaking operation.
5. Press the“Stop Key” , the instrument stops running indicating that the unit is in adjustment mode.

Troubleshooting and Error Code Information

Error code	Problem	Reason	Solution
E01	No operating response found (LED OFF)	Power switch is OFF	Check and connect the power supply before restart. Check the adapter.
		Switch position is OFF	Turn the instrument on, and check set speed displayed on the LED.
		Internal cables disconnected	Open the instrument and check all connections before reconnecting.
E02	The shaking board operation failure	Target speed is not set	Set the target speed, and ensure that indicator lamp is ON.
		Driver board damage	Replace the driver board.
		Motor damage	Replace the motor.
E03	Inaccurate shaking speed	Driver board damage	Replace the driver board.
		Photoelectric switch damage	Replace the photoelectric switch.
E04	Shaking speed is jammed	Driver board damage	Replace the driver board
		Motor damage	Replace the motor.