



Display & Control Panel

Information
Touch a part of [i] to check main/display board version, brand and model name.

Settings
Touch a part of [⚙️] to set volume, touch calibration, clock and password.

Setting Speed
Touch a part of [SPEED].

Setting ACC / DEC
Touch a part of [ACC] or [DEC]
ACC (1 ~ 9 / Max. 9)
DEC (0 ~ 9 / Natural DEC 0)

Rotor
Information of installed rotor (rotor number)

Menu
Touch a part of [MENU] to set program, multi steps and check history.

Date and Time
12 Aug 20 02 : 55 pm

Setting Time and At Set Speed
Touch a part of [TIME].
To 99 hr. 59 min. 59 sec.
or Continuous (00:00:00)
At Set Speed ON / OFF
ON : At Set Speed /
OFF : Normal

Actual Temperature

Setting Temperature
Touch a part of [TEMP].
-20°C to 40°C

Open Door
Touch a part of [OPEN DOOR] to open the lid of centrifuge.

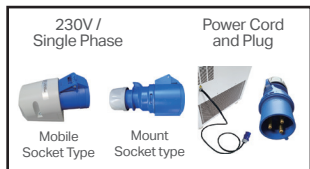
Actual Status
During "RUNNING" period, the actual speed (RPM) with g-force and remaining time are shown numerically and graphically.

Start / Stop
Start / Stop operation

Fast Cool
Touch a part of [FAST COOL] for fast temp function.

<p>Function Selection</p> <p>Touch a parameter to be change.</p>	<p>Multi Steps (Shift programming function)</p> <p>Touch [MENU] and then touch [MULTI STEP]. Operating conditions can be linked together in a program memory and operate sequentially as a single run.</p>	<p>Program Save</p> <p>Touch [MENU] and then touch [SAVE PROG]. Enter the name of protocol, user and password and then touch [OK].</p>	<p>Start</p> <p>Touch [START] button.</p>
<p>Fast Cool (Quick Temperature Down)</p> <p>Touch [FAST COOL] button.</p>	<p>For additional steps up to 5 steps, touch [+] and then set the parameters for the step. For deletion, touch [-].</p>	<p>Program Call</p> <p>Touch [MENU] and then touch [CALL PROG]. Select the call program and then touch [OK].</p>	<p>Stop</p> <p>Touch [STOP] button.</p>

Precautions for Use



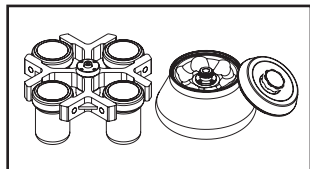
Power condition

The 2236R requires 4K VA for optimal operation. Therefore, should secure sufficient power inflow in single phase current. The supplied Power Cord and Plug should make proper current connection with the supplied Mobile or Mount Socket.



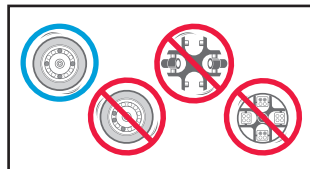
Balance for centrifuge & rotor

When centrifuge is installed, check the horizontality by a Bubble Leveler. Try to locate all bubbles in the center of the Bubble Leveler with rotating the red gear which is in the casters of the centrifuge.



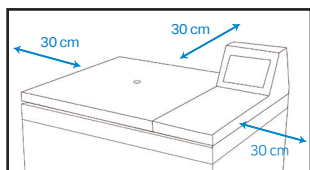
Checking accessories for damage

Inspect the rotor and accessories for damage before each use. Discontinue use and replace it if damaged.



Balancing the rotor

It is most important to symmetrically mount samples of equal weight. In general, triple point symmetry is more stable than opposite symmetry.



Secure a safety zone or 30 cm around centrifuge

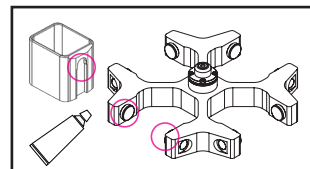
Position the centrifuge with enough space (30 cm) on each side of centrifuge to ensure proper air circulation and safety zone.



Rotor Installation

If the rotor body falls, damage to the centrifuge and operator accidents may occur. Lifting, carrying and reaching in-and-out of the centrifuge Rotor may result of lower back-injuries. Lift carry the rotor with care, with your body in complete balance at all time.

Maintenance Tips



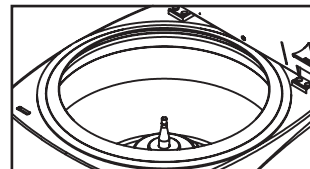
Maintain swing out rotor

Apply the lubricant provided in the package on the rotor-lid joints and the rotor-bucket joints to rotate smoothly.



Installing swing out rotor-buckets

If only two buckets are used, it may occur imbalance and deformed of rotor itself, which may shorten the lifespan.



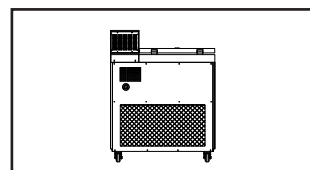
Keep the Chamber Dry

Wipe up the moisture in the chamber with a dry cloth after use. Keep the lid open when not in use.



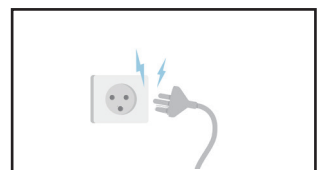
Drain screw capping

During running process, some water is condensed inside the device. It should be discharged for it can degrade the cooling capacity. So for this the device has a drain channel in a chamber. The drain channel is elongated to outside drain screw capping & valve and closed for most of time.



Check ventilation slits regularly

Make sure that there is no dirt/dust on the ventilation slits of the device, and remove it if any.



Shut down power after operation

Switch off the device and disconnect the power plug after using the centrifuge.