



### Display & Control Panel

**Status of**

ACC, Running, DEC, Lid Open / Close, Sound, Key Lock, Warning, Backlight Off

**Setting Time**

To 99 min. 59 sec. or Continuous (00:00)

**Setting Speed**

Touch once : RPM  
Touch twice : RCF

**At Set Speed**

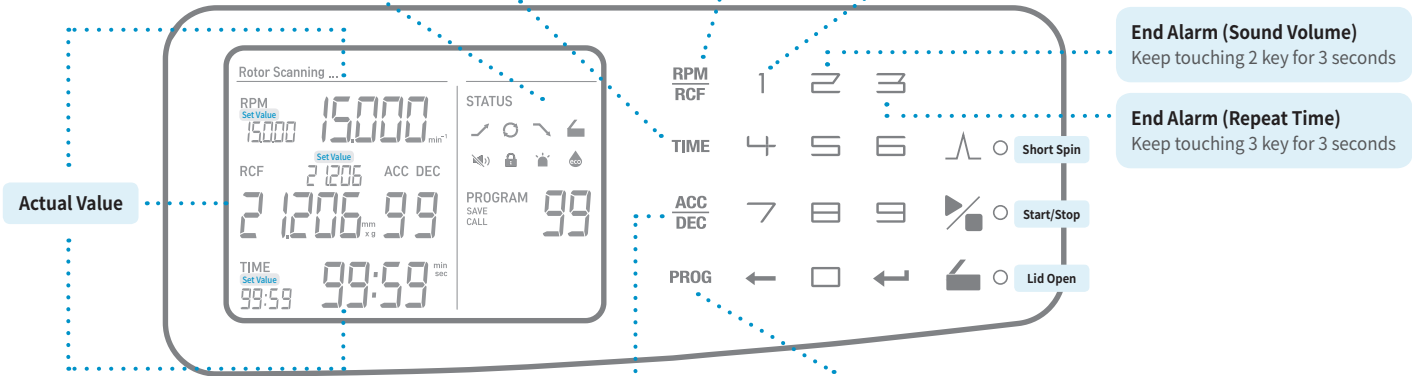
Keep touching 1 key for 3 seconds  
On : Counts the time at set speed  
Off : Counts the time from starting

**End Alarm (Sound Volume)**

Keep touching 2 key for 3 seconds

**End Alarm (Repeat Time)**

Keep touching 3 key for 3 seconds



**Setting ACC / DEC**

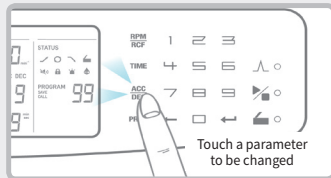
ACC (1 ~ 9 / Max. 9)  
DEC (0 ~ 9 / Natural DEC 0)

**Program SAVE / CALL**

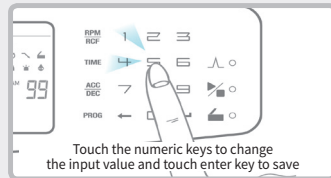
Touch once : CALL / Touch twice : SAVE (up to 100)  
Touch continuous : Lock / Unlock

### Operation

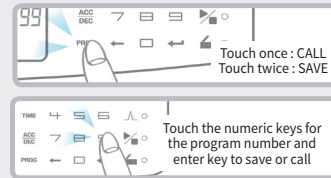
**Function Selection**



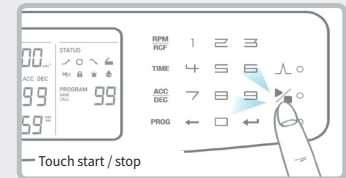
**Parameter Change**



**PROG Save / Call**

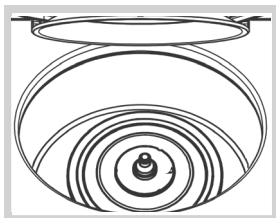


**Start / Stop**



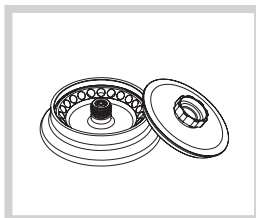


### Precautions and Maintenance Tips



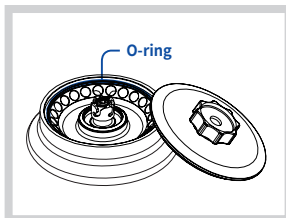
#### Chamber cleaning & checking

Clean the motor shaft.  
Remove the foreign substances not to cause any vibration.



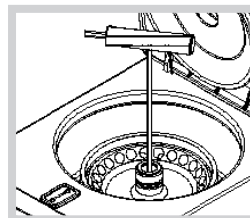
#### Checking accessories for damage

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



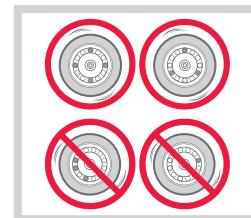
#### O-ring maintenance

Check the O-ring is inserted on the right place of the rotor. Make the rotor lid loose when not using the centrifuge for prolonged durability of O-ring.



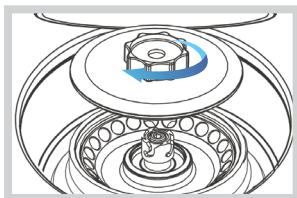
#### Rotor checking

Check the rotor is installed correctly and is sitting firmly on the motor shaft.



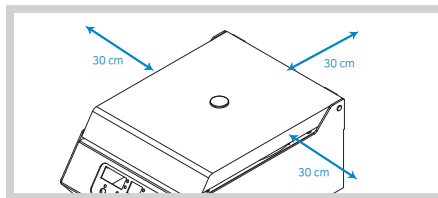
#### Balancing the rotor

Load the sample symmetrically.



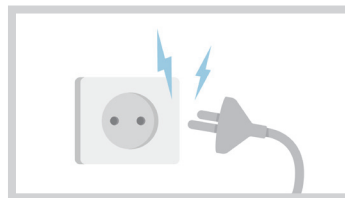
#### Easy lock lid

One step clicking action is enough to make a closure of rotor lid.



#### 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. Neither hazardous materials nor persons should be permitted within the area during operation.



#### Electrical safety

Use the power cord supplied with the device and connect the device to the power supplies that match the electrical requirements. Switch off the device and disconnect the power plug after using the centrifuge.

GRE-m2.0-24  
for 24 x 1.5/2.0 ml microtubes

GRE-m2.0-36  
for 36 x 1.5/2.0 ml microtubes

GRE-m5.0-10  
for 10 x 5.0 ml microtubes

GRE-s0.2-32  
for 32 x 0.2 ml PCR tubes or  
4 rows of PCR strips

#### Interchangeable rotors