

Compact Table Top Micro Centrifuge

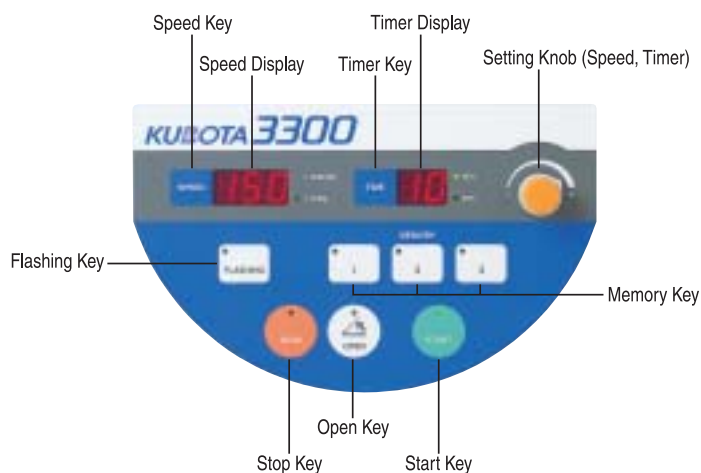
3300



Features and Convenient functions

- **Maximum speed of 15,000rpm**
- **Maximum RCF of 20,630xg**
- **Compact size of 32(W) x 39(D) x 27(H) cm**
- **Buzzer at the end of operation**
5 different buzzer sounds allow recognition of the end of a centrifuge operation from across the room.
- **Program memories (3 channels) for repeated routine operation**
A memory function is available for repetitive operation using same set values of operation, i.e. speed and time.
- **Memory flashing**
Spin down time from 1 to 99 sec is memorized. Key-in of flashing button next time calls up the memorized spinning time.
- **Compliance with GMP requirements**
Equipped with a tachometer port. Actual rotor speed is easy to check.
Actual rotation radius can be set and the correct RCF is realized.
- **The easy-to-follow digital display**
Please refer the operation panel.

Operation Panel of Model 3300



Safety pursued

- **Safety is based upon IEC 61010-2-020**
- **The various alarm detector sensors secure operation.**

KUBOTA



Specifications

Model 3300

- Maximum Speed ● 15,000rpm
- Maximum RCF ● 20,630xg
- Maximum Capacity ● 48mL
- Control system ● Micro-processor control (Brushless motor)
Speed, RCF, Time, 3 channel memories
- Alarm display ● Lid open, Imbalance, Over speed
Function for detecting an occurrence of electrical abnormality in speed sensor, Inverter, lid lock, motor
- Speed setting ● From 300 to 15,000rpm in 100rpm increments
- Speed indication ● Digital display, From 0 to 15,300rpm in 100rpm increments
- RCF setting ● From 100 to 20,630xg in 100xg increments (Actual rotation radius can be set.)
- RCF indication ● Digital display, From 0 to 21,400xg in 100xg increments (Actual rotation radius can be set.)
- Timer setting and indication ● Digital display, with Hold and with Memory Flashing
from 1 sec to 99 sec, in 1 sec increment setting
from 1 min to 99 min, in 1 min increment setting
- Setting the sound that informs the end of the operation ● 5 kinds + Sound none
- Power requirements ● Single phase AC110V±10%, AC115V±10%, 50/60Hz, 10A
Single phase AC220V±10%, 230V±10%, 50/60Hz, 6A
- Rated voltage and Rated current ● 110V 50/60Hz 3.0A, 115V 50/60Hz 2.9A, 220V 50/60Hz 1.9A, 230V 50/60Hz 1.8A
- Power consumption and Heat output ● 110/115V 190W 0.7MJ/h, 220/230V 250W 0.9MJ/h
- Dimensions, weight ● 32(W) x 39(D) x 27(H)cm^{*1}, 20kg
- Test standard ● Manufactured and tested in accordance with IEC 61010-2-020

(*1) Those of projections are not included.

All specifications and external appearance subject to change without notice.

* On Model 3300 only use KUBOTA made rotor, adaptor and tube rack. Do not attempt use rotors, adapters or tube racks made by other manufacturers.

* The rotor mentioned in the catalogue is usable on other KUBOTA centrifuge models. For details, refer to the catalogues relevant to each model.

* Follow instructions given in the relevant Instruction & Service Manual for operating centrifuges.

Rotor & Adaptor Table for Model 3300

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Adaptor Code No.
RA-2024 with lid ^{*1}	24x2mL	9.5 ~ 11 x 36 ~ 42	15,000	20,630	
	24x0.5mL	7 ~ 7.9 x 25 ~ 34	15,000	18,360	055-7590
	24x0.4mL	5.4 ~ 6.1 x 26 ~ 48	15,000	20,380	055-7580
	24x0.2mL PCR	5.9 ~ 6.3 x 20 ~ 24	15,000	16,100	055-0500
RA-2724 with lid ^{*1,2}	24x2mL	9.5 ~ 11 x 36 ~ 42	15,000	20,630	
	12x0.5mL	7 ~ 7.9 x 25 ~ 34	15,000	16,850	
	24x0.4mL	5.4 ~ 6.1 x 26 ~ 48	15,000	20,380	055-7580
	12x0.2mL PCR	5.9 ~ 6.3 x 20 ~ 24	15,000	14,840	

*1 Without rotor lid, the noise level is higher when spinning.

*2 Three tubes of 2mL, 0.5mL and 0.2mL PCR can be used without an adaptor.



RA-2024

Autoclavable at 134°C*

Rotor lid is the standard accessory.



RA-2724

Autoclavable at 134°C*

Rotor lid is the standard accessory.

*Note: The number of autoclave repetition is limited. Please refer to the instruction manual.



Safety Precautions

For your safe use of the equipments, be sure to read the instruction manual carefully before you start its operation.

Parts may be adversely affected by heat, humidity and specimens or deteriorated by aging resulting in functional failures or may even lose their safety characteristic to cause accidents.



DISCONTINUE USE

Always discontinue use when phenomena listed at right appear.

- The rotor or bucket has been found to be damaged or corroded.
- A burnt smell comes out of the equipment.
- You receive a minor electrification when you touch the equipment body by a naked hand.
- Some other abnormality or failure has been found occurring.

IMPORTANT

To prevent occurrences of functional failures or accidents, turn off the power switch, pull out the power cable plug from the plug socket and be sure to contact your nearest Kubota Dealer, or an office of Kubota Corporation when there is no Kubota Dealer in your neighbourhood.

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