

Specifications

Model	KITMAN-T24				
Compatible Rotor	TMP-2				
Maximum Speed	13,500rpm				
Maximum RCF	17,730G				
Maximum Capacity	2mℓ × 24				
Drive Motor	Induction motor				
Temperature Setting Range	-9 to 35°C (1°C increments)				
Speed Setting Range	Orpm or 300 to 13,500rpm (in 100rpm increments)				
Time Setting	10 to 50 seconds (in 10 second increments), 1 to 99 minutes (in 1 minute increments), <F-> free				
Safety Devices	●Lid interlock ●Abnormal speed detector ●Lid open/close detector ●Imbalance detector ●Motor over-current detector ●Over-current circuit breaker (also used as power switch) ●Abnormally high or low chamber temperature detector				
Refrigerant	HFC-134a (135g)				
Rated Voltage	AC120V, 60Hz	AC220V, 50Hz	AC220V, 60Hz	AC230V, 50Hz	AC240V, 50Hz
Power Input	5A	3A			
Power Consumption (heat output)	400W (344kcal/h)				
Dimensions W×D×H(mm) (except for the protruding portion)	290×515×295 (table height : 260mm, height with open lid ; 565mm)				
Net Weight	37kg				

TOMY



▶▶ TOMY "KITMAN" introduces a new feature that allows any two memories coupled in series to run a continuous operation. This smart relay run program supports a quick and reliable centrifugation. ▶▶

Compact yet powerful centrifuge has a maximum speed of 15,000rpm and provides quick acceleration.

KINTARO

High Speed Bench-top Micro Centrifuge



Specifications

Model	KINTARO-24	KINTARO-18
Compatible Rotor	TMP-2	TMP-1
Maximum Speed	13,500rpm	15,000rpm
Maximum RCF	17,730G	17,860G
Maximum Capacity	2mℓ × 24	2mℓ × 18
Acceleration Time	15sec	12sec
Safety Devices	●Lid interlock ●Imbalance detector ●Lid open/close detector ●Over-current circuit breaker (also used as power switch)	
Other Functions	Memory storing a last-used operating value FLASH (momentary spin) function	
Power Requirements	Single phase AC110/120V, 50/60Hz, 15A Single phase AC220/230/240V, 50/60Hz, 7A	
Dimensions W×D×H(mm) (except for the protruding portion)	230×350×253 (table height : 215mm)	

Sales Office

TOMY DIGITAL BIOLOGY CO., LTD.

3-14-17 Tagara, Nerima-ku, Tokyo 179-0073, Japan
e-mail : info@digital-biology.co.jp
URL : http://www.digital-biology.co.jp
phone : +81-3-5971-8160 fax : +81-3-3970-6036

TOMY TECH U.S.A., INC.

40479 Encyclopedia Circle, Fremont, California 94538, U.S.A.
e-mail : info@tomytech.com
URL : http://www.tomytech.com
phone : 510-440-1976 fax : 510-440-1975
Toll-Free US & Canada : 800-545-TOMY

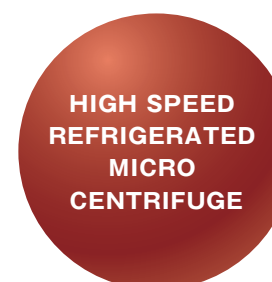
TOMY SEIKO CO., LTD

Manufacturer

TOMY KOGYO CO., LTD.

3-14-17 Tagara, Nerima-ku, Tokyo 179-0073, Japan

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kitman
KITMAN-T24



Equipped with a newly developed “W-Memory Program”, the KITMAN is a highly reliable workhorse in biological research laboratories.

TOMY’s newest high speed refrigerated micro centrifuge, the “KITMAN” is equipped with a unique program operation function for a continuous run of any two memories coupled in series. This function meets the requirements of various sample protocols, including DNA/RNA extraction and purification, and offers increased efficiency and validity in complicated centrifuge operation. This centrifuge also features a long established easy-to-use design with versatile, advanced functions, plus energy-saving mode, all in a compact body. Designed with the needs of biotechnology researchers in mind, the “KITMAN” is a new reliable laboratory workhorse.



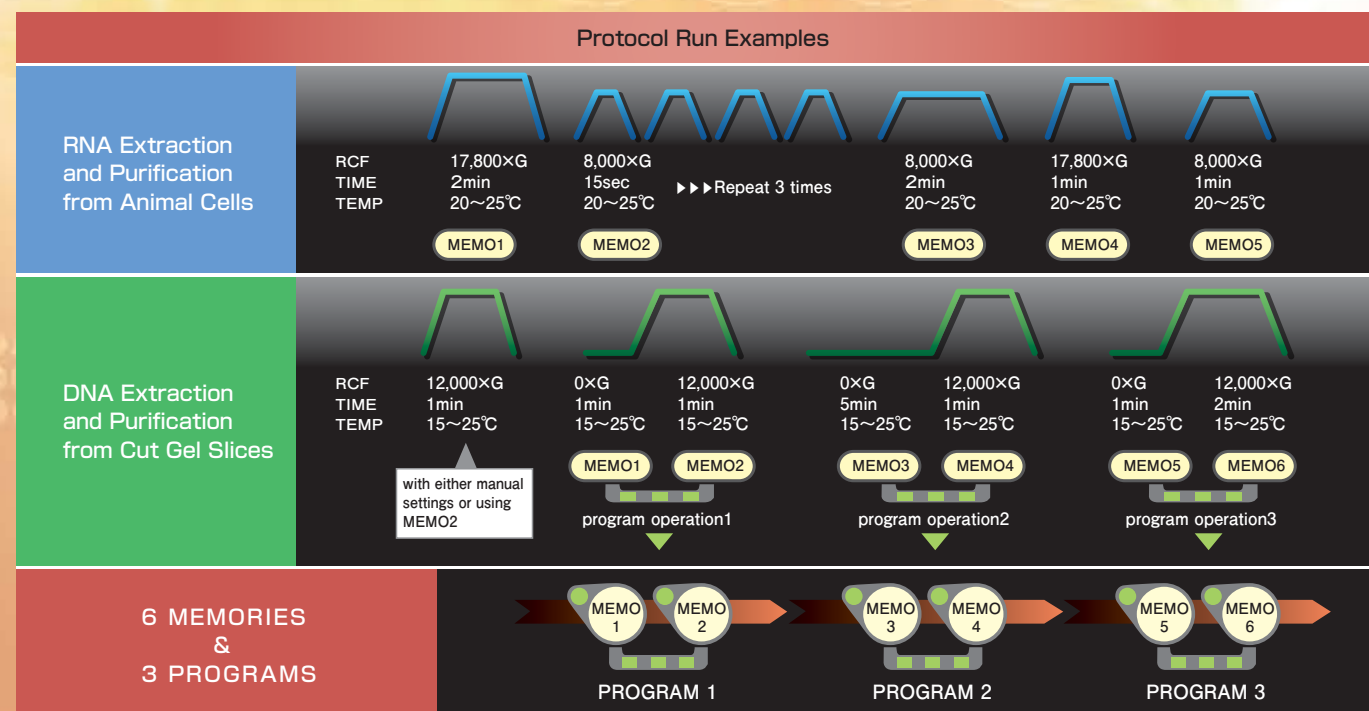
※Indication displays on the control panel in the photo is different from displays of actual operation.

Various program operations & multi-memory function

● In addition to a multi-memory function that allows recall of up to 6 sets of operating conditions at one touch of a button, the “KITMAN” also provides a newly developed program operation function, with which two memories are coupled in series to achieve a continuous run operation. This function enables any combinations of three program patterns to be operated in a single protocol, and supports a wide variety of kits and protocols for DNA/RNA extraction and purification that require 2mℓ micro tubes.

● The reaction time of reagents can also be programmed, which allows the operator to make good use of the time for the reaction to be completed, as well as eliminates the operator's failure to remember the timing. This will enhance the efficiency and validity of the laboratory work.

6 MEMORIES
&
3 PROGRAMS



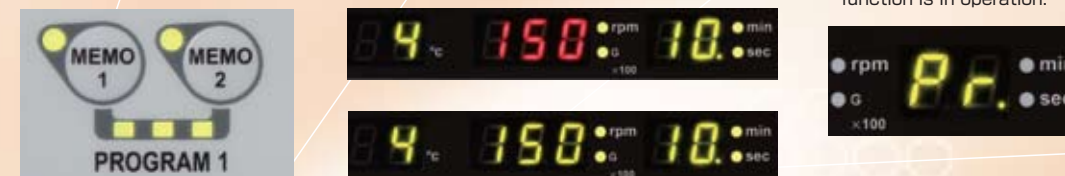
※The images of protocol examples above are for reference only and should be considered illustrative.

PANEL

Easy-To-See LED Display

The control panel features easy-to-see LED display that allows the operator to easily confirm a set temperature, speed and time at a glance.

- Program indicator lamp flashes during program operation.
- Speed is indicated by a red light while the rotor is spinning, and by a green light while stopped.
- The display indicates “Pr.” by a green light while the PRE-TEMP function is in operation.



※Indication displays on the control panel in the photo is different from displays of actual operation.

FUNCTION

Convenient Function Keys

- Function keys allow settings to be changed or modified to suit specific requirements.
- Acceleration/deceleration characteristics preset speed setting
 - “FLASH” (momentary spin) function setting (mode and speed)
 - Buzzer setting (type and time)
 - Lid-up monitoring time setting
 - Power saving mode setting

FLASH

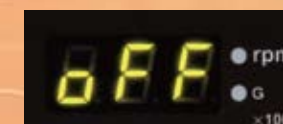
Two-Mode “FLASH” Function

- “FLASH” or a quick run function for momentary spin provides the following two modes:
- 1 Short-term operation of the centrifuge will continue at set speed as long as the “FLASH” key remains pressed.
 - 2 With one push of the key the rotor begins to accelerate and will start deceleration when it reaches set speed.

ECONOMY & ECOLOGY

Power Saving Mode

When operation standby status continues for a long time, the power saving mode becomes active and stops the fan and refrigerator. During the power saving mode, the panel display indicates “oFF”. The idle time before the power saving mode is entered can be set between 1 and 12 hours. (The default time is 4 hours.)



PRE-TEMP Function

With the PRE-TEMP function air inside the chamber is stirred by spinning the rotor, which allows the rotor to reach set temperature quickly. It takes approximately 5 minutes to reach the set temperature of 4°C from the ambient temperature of 25°C. The result is an optimal function that supports temperature-sensitive samples. When the temperature inside the chamber increases in the power saving mode, the function can also cool the chamber effectively, saving time and energy.

COMPACT

Easy-To-Install Compact Design

Its compact body with a width of 29cm takes up very little lab space.



REASONABLE

High Grade, Affordable Centrifuge

Equipped with upgraded functions, the TOMY “KITMAN” delivers higher performance at an affordable price.

Rotor

Sold with KITMAN-24 / TMP-2 (24×2mℓ).

