

# LMC-3000 general purpose centrifuge for scientific applications

Low speed benchtop centrifuge with interchangeable rotors for accommodating centrifuge tubes (10 to 15 ml or 50 ml) or microplates.

- Spin speed: up to 3000 rpm for tubes, up to 2000 rpm for microtitre plates
- Timed operation (1 to 90 minutes), with automatic switch-off
- 'Soft-start' and 'run-down' functions
- Choice of interchangeable rotors for up to 12 centrifuge tubes or 2 microplates
- Auto 'IMBALANCE' stop and warning diagnostics
- Low noise level



Sturdy metal housing and lid, automatic imbalance switch-off and lid lock when centrifuge is running providing safe operation in your workplace

Easy set-up of speed and time via 2-line LCD display and simple push buttons showing actual and set speed and time

### LMC-3000 general purpose centrifuge fitted with R-2 rotor

Convenient interchangeable rotor for 6 or 12 tubes or 2 microplates (standard and deep well). Specify when ordering

The powerful and extremely quiet motor has a 'soft' start-up and run-down function to avoid jolting of samples

Compact design with small footprint – fits neatly into the workspace

- Applications:**
- Life science - ELISA plate centrifugation, PCR plate centrifugation, analytical applications including biomedical, bio-organic and immunoenzyme analysis
  - Environmental - centrifuging of sewage sludge

## LMC-4200R benchtop centrifuge with refrigeration

Benchtop centrifuge with refrigeration with a temperature setting range of  $-10^{\circ}\text{C}$  to  $+25^{\circ}\text{C}$  interchangeable rotors for accommodating centrifuge tubes (10 to 15 ml or 50 ml) or microplates.

- **Spin speed: up to 4200 rpm for tubes, up to 2000 rpm for microtitre plates**
- **Temperature setting range  $-10$  to  $25^{\circ}\text{C}$**
- **Timed operation (1 to 90 minutes), with automatic switch-off**
- **'Soft-start' and 'run-down' functions**
- **Choice of interchangeable rotors for up to 12 centrifuge tubes or 2 microplates**
- **Auto 'IMBALANCE' stop and warning diagnostics**
- **Low noise level**

### LMC-4200 centrifuge with refrigeration

Sturdy metal housing and lid, automatic imbalance switch-off and lid lock when centrifuge is running providing safe operation in your workplace

Effective acceleration (run-up up to 15 sec.) and deceleration (run-down up to 30 sec)

Refrigeration rate inside the chamber under 10 minutes

Easy set-up of speed and time via 2-line LCD display and simple push buttons display of actual and set temperature, speed and time

Convenient interchangeable rotor for 6 or 12 tubes or 2 microplates (standard and deep well). Specify when ordering

The powerful and extremely quiet motor has a 'soft' start-up and run-down function to avoid jolting of samples

Compact design with small footprint – fits neatly into the workspace





- Applications:**
- Life science - universal applications for all centrifugation requiring a controlled temperature of biomaterial. Temperature control of the 'cold-shelf' is the standard needed for enzymologists and cell biologists ensuring the conditions necessary for reproducibility of the sample preparation stage

## Centrifuges » Models and specifications

### Centrifuges – models and specifications

● = optional

		General purpose low	Benchtop centrifuge
		LMC-3000	LMC-4200R
		low speed	with refrigeration
			
		h: 235 mm d: 420 mm w: 495 mm weight: 13.5 kg	h: 335 mm d: 580 mm w: 635 mm weight: 60 kg
Max RCF (bottom of tube)	g-force	1700 x g	3370 x g
Speed (centrifuge tubes)	rpm	100 to 3000	100 to 4200
Max RCF microplate rotor	g-force	560 x g	
Speed (microtiter plates)	rpm	100 to 2000	
Centrifugation time		up to 90 minutes	
Temperature setting range	°C	–	-10 to 25
Temperature control range	°C	–	-10 to 10 below ambient
Speed increment	rpm	100	
Chamber diameter	mm	335	
Display		2 line x 16 character LCD	
Input voltage	V ac	120 or 230 (50-60 Hz)	120 or 230 (50-60 Hz)
External power supply		–	–
Ambient temperature range	°C	4 to 40	

### Accessories

**R-6** interchangeable centrifuge rotor for 6 x 50 ml tubes, with cap, conical end  
Dimensions: Ø29 x 115 mm



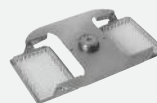
**R-12-10 \*** interchangeable centrifuge rotor for 12 x 10 to 15 ml tubes, rounded ends, no caps  
Dimensions: Ø16x 105 mm



**R-12-15** interchangeable centrifuge rotor for 16 x 15 ml tubes, with cap, conical end  
Dimensions: Ø17x 120 mm



**R-2** interchangeable centrifuge rotor for 2 microtitre plates  
Dimensions: w128 x l85.6 mm



#### Adapter sets for R-12-10

BN-13/75 for vacutainers 2-5 ml (Ø13 x l75mm)  
BN-13/100 for vacutainers 4-8 ml (Ø13 x l100mm)  
BN-16/100 for vacutainers 8-9 ml (Ø16 x l100mm)

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Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.