

LMC-4200R, Laboratory Bench-top Centrifuge with Refrigeration



New!

Rotor R-12/10 and icy layer on the chamber walls



LMC-4200R, interface



Laboratory bench-top centrifuge with refrigeration **LMC-4200R** provides temperature control of biomaterial during centrifugation. Temperature control of the so-called "cold-shelf" is a gold standard for enzymologists and cell biologists because it ensures conditions necessary for reproducibility of the sample preparation stage. Lack of temperature control at this stage can cause unpredictable results.

LMC-4200R is a modern centrifuge designed for operation with microtest plates and tubes from 10 to 50 ml.

Features:

- Effective way of acceleration and deceleration:
Run-up time 15 sec;
Run-down time, not more 30 sec;
- Efficient rate of chamber refrigeration: under 10 min;
- Maintenance of stable temperature during operation;
- User-friendly setting of centrifugation parameters (speed, temperature, time) and simultaneous display of both set and actual values;
- Safe operation is provided by a metal protection chamber and a case cover, automatic stop at imbalance (emergency shutdown, «IMBALANCE» displayed) and a lock keeping the lid closed while the centrifuge is running.
- Low noise level;
- Wide choice of accessory rotors (see next page).

Specifications:

Temperature setting range	-10°C ... +25°C
Temperature control range	-10°C ... 10°C below ambient
Temperature setting resolution	1°C
Regulated speed for centrifuge tubes	100–4200 rpm
Regulated speed for microtitre plates	100–2000 rpm
Speed setting resolution	100 rpm
Rotor imbalance diagnostics (automatic stop, "IMBALANCE" warning)	
Rotor run-down time, not more	30 sec
Display	LCD, 2 lines
Centrifugation time	1–90 min (increment 1 min)
Chamber diameter	335 mm
Dimensions	635 x 580 x 335 mm
Weight, not more	60 kg
Power supply	230 V, 50/60 Hz

Catalogue number:

LMC-4200R	BS-010212-AAA
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Rotors description and pictures can be found on the next page

Interchangeable rotors and accessories for LMC-4200R



R-2, Swing-out rotor for standard 96-well microtitre plates



Rotor type	Swing-out
Dimensions (w x l)	128 x 85.6 mm
Max. height	up to 45 mm
Capacity	2
Max. speed	2000 rpm
Max. RCF:	
LMC-4200R	560 x g
Manufacturers:	Nunc, Greiner, Sarstead, Corning, etc
Catalogue number	BS-010208-AK



R-12/10, Swing-out rotor for round bottom centrifuge tube



Rotor type	Swing-out
Dimensions (Ø x width)	16 x 105 mm
Capacity	12
Tube's volume	10–15 ml
Max. speed	4200 rpm
Max. RCF:	
LMC-4200R	3370 x g
Tube Manufacturers:	Nunc, Greiner, etc
Catalogue number	BS-010208-BK

Additional adapter sets* for R-12/10:	Description	Dimensions (Ø x length)	Catalogue number
BN-13/75	For vacutainers 2–5 ml	13 x 75 mm	BS-010208-PK
BN-13/100	For vacutainers 4–8 ml	13 x 100 mm	BS-010208-QK
BN-16/100	For vacutainers 8–9 ml	16 x 100 mm	BS-010208-RK

*Set of 12 adapters, made from POM-C (polyacetal). Max temperature +100°C



R-12/15, Swing-out rotor for conical bottom centrifuge tube



Rotor type	Swing-out
Dimensions (Ø x length)	17 x 120 mm
Capacity	12
Tube volume	15 ml
Max. speed	4200 rpm
Max. RCF:	
LMC-4200R	3370 x g
Tube Manufacturers:	Falcon, Greiner, Sarstead, etc
Catalogue number	BS-010208-EK

Interchangeable rotors and accessories for LMC-4200R



Porop R-6, Swing-out rotor for centrifuge tube with cap, conical bottom



Rotor type	Swing-out
Dimensions (Ø x length)	29 x 115 mm
Capacity	6
Tube volume	50 ml
Max. speed	4200 rpm
Max. RCF:	
LMC-4200R	3370 xg
Tube Manufacturers:	Falcon, Greiner, Sarstead, Corning, etc
Catalogue number	BS-010208-DK



Rotor holder RR-U

Catalogue number	BS-010208-PK
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New!