



Sigma 1-16K

Timer	10sec - 99 min 59 sec
Time increments [sec]	1
Continuous	+
Short run	+
Speed increments [rpm]	100
RCF increments [xg]	10
Display speed or g-force	+
Acceleration-, deceleration curve	Fast, soft
Programs	10
Fast cool program Rapid temp*	+
Display temperature set, actual*	+
Temperature increments [°C]*	1
Microprocessor controlled	+

Technical data	1-16	1-16K
Power consumption [W]	200	460
Max. capacity [ml]	24 x 2.0	24 x 2.0
Max. speed [rpm]	15,000	15,000
Min. speed [rpm]	200	200
Interference suppression	EN 61326	EN 61326
Height x Width x Depth [mm]	271 x 310 x 418	291 x 310 x 660
Height with open lid [mm]	527	547
Weight without rotor [kg]	13	32
Kinetic energy max. [Nm]	4,960	4,960
Noise level at max. speed (approx.)	59 dB (A)	58 dB (A)
Max. acceleration (Rotor 12134) [sec]	13	15
Min. deceleration (Rotor 12134) [sec]	13	13
Temperature setting range [°C]*	-	-10 – +40
Min. rotor temperature *)		
Rotor 12134 at 15,000 rpm [°C]	-	< 4

* 1-16K only



1-16

Microcentrifuge



1-16K

Refrigerated Centrifuge

MADE IN GERMANY



SIGMA Laborzentrifugen GmbH
An der Unteren Söse 50
37520 Osterode am Harz
Germany
Tel. +49 (0) 55 22 / 50 07-0
Fax. +49 (0) 55 22 / 50 07-12
info@sigma-zentrifugen.de
www.sigma-zentrifugen.de

SIGMA 1-16 No. 10025 (220-240 V, 50/60 Hz), No. 10026 (120 V, 60 Hz), No. 10027 (100 V, 50/60 Hz)

The ergonomics and the beautiful design of this brand new generation of laboratory centrifuges will help make your work in the lab easier. Close the lid and hit start, or make use of the programming options.

- bright display
- big push buttons
- minimal temperature increase during run
- maintenance-free brushless drive motor
- motorized lid lock, auto lid open
- last run memory
- 2 acceleration- and deceleration curves, soft or fast
- stainless steel bowl
- emergency lid lock release
- window in the lid for external speed control
- overspeed controller
- according to EN 61010-2-020
- RoHS conform



SIGMA 1-16K No. 10030 (220-240 V, 50/60 Hz), No. 10031 (120 V, 60 Hz) No. 10032 (100 V, 50/60 Hz)

- refrigerated Version of 1-16
- precooling of the rotors during standstill, refrigerant CFC-free (R 134 a)
- guaranteed 4°C at max speed

Created during production. Centrifuge with one rotor.		
	Sigma 1-16	Sigma 1-16K
Calibration certificate for speed and time	No. 17714	No. 17714
Calibration certificate for temperature, speed and time	-	No. 17715
IQQQ	No. 17710	No. 17711
For a further rotor	No. 17712	No. 17712

SIGMA 1-16 SIGMA 1-16K

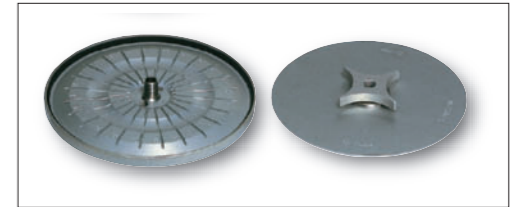
No. 11024
Microhematocritrotor
24 x ø 1.5 x 75 mm
max. 12.000 min⁻¹ ± 13.684 x g

No. 17024
Discreader for rotor 11024

No. 15001
Capillary tubes ø 1.5 x 75 mm, 200 pcs

No. 17005
Capillarytube sealing putty (10 plates)

No. 17004
Magnifying glass



No. 12134
PP-Rotor
24 x 1.5 – 2.0 ml
max. 15,000 rpm ± 20,627 x g
incl. hermetic plastic lid



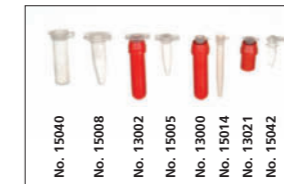
No. 12135
PP-Rotor
4 x 8 PCR 0.2 ml
max. 15,000 rpm ± 16,602 x g
incl. hermetic plastic lid



No. 12024
Aluminiumrotor
24 x 1.5 – 2.0 ml
max. 15,000 rpm ± 20,627 x g
incl. hermetic plastic lid

Adapters for rotors 12024, 12134

- No. 13000 for microtubes 0.25/0.4 ml
- No. 13002 for PCR-tubes 0.5 ml no. 15005
- No. 13021 for PCR-tubes 0.2 ml no. 15042



Microtubes

- No. 15040 reaction vial 2.0 ml
- No. 15008 reaction vial 1.5 ml
- No. 15005 reaction vial 0.5 ml
- No. 15014 reaction vial 0.4 ml
- No. 15042 reaction vial 0.2 ml PCR