



*Sigma Refrigerated
Blood Bank Centrifuge*

8KB

Sigma 8KB

No. 10844 (3 x 400 V / 50 Hz) air cooled; incl. 11805, 3 set 13860 with 13865, RS 232

No. 10849 (3 x 400 V / 50 Hz) air cooled; incl. 11806, 3 set 13860 with 13865, RS 232

- Compact refrigerated floor standing centrifuge for universal use in blood banks, clinical laboratories
- Capacity up to 6 x 1.5 l or 12 blood bags in swing-out rotor
- Solid construction, suitable for continuous use
- Maintenance-free drive, high imbalance tolerance up to approx. 80 g, imbalance switch
- Speed range 100 – 5.100 rpm
- Automatic rotor identification prevents spinning rotors overspeed
- Efficient refrigeration; temperature adjustable between –20 °C and +40 °C, standstill cooling, with refrigerant R404a
- Cooling time from room temp. to +4 °C in approx. 45 min.
- Stainless steel bowl
- The lid is hinged on the left hand side
- Easy open the centrifuge lid via pneumatic springs
- Two motorized lid locks provide safe, assured lid-locking
- Power failure, emergency lid opening
- Ergonomic loading height of just 88 cm
- The user friendly control unit is integrated in the front panel
- Data logging via interface RS 232
- Window in the centrifuge lid for external speed control
- Centrifuge fits through a door opening of only 82 cm
- The centrifuge stands on movable castors and adjustable feet to even out the floor
- Easily serviceable
- All international standards are met, e.g. IEC 1010, CE, WEEE

Options

- Water-cooled compressors
- Connection for external signal order no. 17701 DC 24V, max. 0,5A; Potential free contact for external signal order no. 17702 max. 250V, 6A

Blood bags



11806



11805

Wind shield rotor

1 set = 2 pcs.

13860 Double bucket for blood bags
Delivery incl. adapter 13865

Rotor No.	max. [rpm]	max. RCF
11805 + 3 x 13860	4.100	5.394
11806 + 3 x 13860	3.700	4.393

No.	Adapter	
13866	2 x 900 ml, large	Blood bags
13865	2 x 500 – 800 ml, medium	Blood bags
13864	2 x 300 – 400 ml, small	Blood bags
17750	Adapter for smaller bags, or reduced filling	



13864



13865



13866

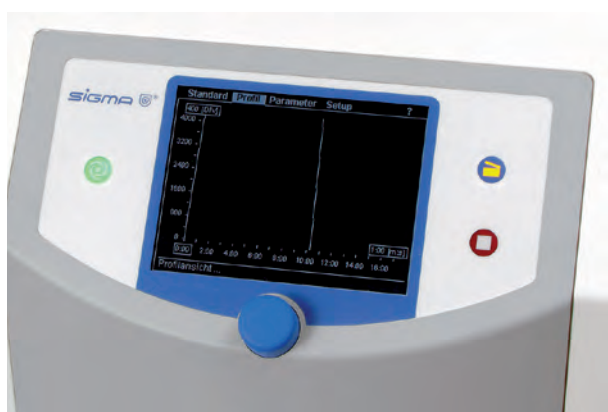


17750



13860

Spincontrol Professional



Created during production

	Sigma 8KB
Calibration certificate for speed and time	No. 17714
Calibration certificate for temperature, speed and time	No. 17715
IQQQ	No. 17711

Spincontrol Professional

Display	TFT
Plain text pop up windows	+
Permanent display preselected, current values	+
Display shows dimensions	+
Languages	D, GB
Timer	10 sec - 99 h 59 min
Timing after set speed has been reached	+
Time increments [sec]	60;1
Short run	+
Continuous run	+
Speed increments [rpm]	10;1
Display speed and g-force	+
G-force increments [xg]	10;1
Temperature increments [°C]	1
Switchable °C, °F	+
Standstill cooling, switchable	+; +
Rapid cooling program: Rapid_cool	+
Start refused with exceeded temperature tolerance, tolerance preselectable	+
Programs	60
User defined program name	+
Program list	+
Linear acceleration curves	10
Quadratic deceleration curves	10
User defined acceleration curves	10
Linear deceleration curves	10
Quadratic deceleration curves	10
User defined deceleration curves	10
Brakeless	+
Combination deceleration and brakeless from 1000 - 150 rpm selectable	+
Auto lid open, switchable	+; +
Acoustic signal, switchable	+; +
Signal length preselectable	+
Optical stillstand display	+
Counting cycles centrifuge, each rotor	+; +
Pop up window end of rotor life time	+
Automatic lid opening at the end of the run, switchable	+; +
All rotors pre programmed speed, g-force, radius	+
Start delay	+
Controlunit lockable	+
Code protection	+



SIGMA 8K



Delivery without micro centrifuge

Technical data	
Power consumption [kW]	6,5
Max. capacity [l]	9
Max. speed [rpm]	5.100
Min. speed [rpm]	100
Interference suppression	EN 61326
Dimensions: Height x Width x Depth [mm]	980 x 810 x 910
Height with open lid [mm]	1690
Weight without rotor [kg]	420
Kinetic energy max. [K Nm]	208
Noise level at max. speed (approx.)	
Rotor 11805 [dB (A)]	69
Max. acceleration Rotor 11805 [sec]	81
Max deceleration Rotor 11805 [sec]	59
Temperature setting range	-20°C – +40°C
Min. Rotor temperatur *) [°C]	< 4

* at 23 °C ambient temperature



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WEEE-Reg.-Nr.
DE 76714077

