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# Eppendorf 5810R Refrigerated Centrifuge



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LOW PRICE GUARANTEE

Item Number: 5810R Centrifuge Manufacturer:

Eppendorf Product Category: Centrifuges Brand Name:

Eppendorf Description: Eppendorf 5810R Refrigerated

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Description

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## Description

Item Number: 5810R Centrifuge

Manufacturer: Eppendorf

Product Category: Centrifuges

Brand Name: Eppendorf

Product Overview: Eppendorf 5810R Refrigerated Centrifuge

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The bench-top centrifuges from Eppendorf are long established and enjoy a popularity that grows with every passing year. Thus, it was natural for Eppendorf to take the new technological possibilities into account and subject the popular Centrifuges 5804 (refrigerated: 5804 R) and 5810 (refrigerated: 5810 R) to a live-cell treatment. The result is a device with the same chassis, but with a considerably improved control panel and an inner life

incorporating state of the art technology.

The comprehensive, modular accessory program covers separation in PCR tube strips and 1.5/2 ml test tubes as well as high-volume centrifugation of Falcon® tubes, flasks and filter plate systems ? and therefore practically all refrigerated and non-refrigerated applications up to 400 ml volume per tube.

## Specifications

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Centrifuge 5417 R

Power supply: 230 V / 50 Hz or 60 Hz

120 V / 50 Hz or 60 Hz

100 V / 50 Hz or 60 Hz

See identification plate

Power requirement:

Centrifuge 400 W

Compressor 300 W

Max. rotational speed: 16,400 rpm

Max. centrifugal force: 25,000 rcf

Max. load: 30 x 2.0 ml Safe-Lock Microcentrifuge Tubes

Max. density of material to be centrifuged: 1.2 g/ml

Range of control for refrigeration: – 9 °C to + 40 °C

Refrigeration time for “Fast Cool” from 20 °C to 4 °C: approx. 20 min.

Permitted ambient temperature during operation: 10 °C–35 °C

Permitted maximum relative air humidity: 75 %

Max. kinetic energy: 6,100 Nm

Dimensions (H x W x D): 228 x 320 x 597 mm

Weight: 34 kg

Degree of pollution 2

Overvoltage category II

## Features

- Speed, rcf, and radius correction values can be entered by the user
- Values can be changed during centrifugation
- Temperature range from -9 to +40 °C\*
- Stand-by refrigeration\*
- Speed can be set from 200 rpm to maximum speed in increments of 10 rpm
- Selectable program memory for up to 34 individual user programs
- Short-spin key with selectable rotational speed
- Fast-temp function\* for rapid cooling of the centrifuge chamber
- “at set rpm” for even more reproducible results
- 10 acceleration and 10 braking ramps for sensitive sample material

\* Refrigerated Centrifuges 5804 R and 5810 R only.

## Technical Information

Model	Centrifuge 5810
Dimensions (W x D x H in cm):	54 x 61 x 35
Weight (in kg):	68
Max. power requirement:	850 W
Power supply:	230 V, 50-60 Hz
Model	Centrifuge 5810 R (refrigerated)

Dimensions (W x D x H in cm):	70 x 61 x 35
Weight (in kg):	99
Max. power requirement:	1.350 W
Power supply:	230 V, 50-60 Hz

Table 1: Technical specifications

Rotor	0	1	2	3	4
A-4-81	532	189	174	143	131
A-4-81-MTP/Flex	643	191	174	142	131
A-4-62	740	190	170	140	130
A-4-62-MTP	620	190	170	140	130
A-4-44	470	300	270	220	200
A-2-DWP	304	174	130	118	100
T-60-11	800	280	140	95	70
F-34-6-38	880	370	280	190	170
F-45-30-	240	140	70	45	35

11					
FA-45-30-11	240	140	70	45	35
FA-45-48-PCR	169	119	60	41	31

## Accessories

Swing-bucket rotor A-4-81 for Centrifuges 5810/5810 R

Swing-bucket rotor A-4-81-MTP for Centrifuges 5810 / 5810 R

Swing-bucket rotor A-4-62 for Centrifuges 5810/5810 R

Swing-bucket rotor A-4-62-MTP for Centrifuges 5810/5810 R

Swing-bucket rotor A-4-44 for Centrifuges 5804/5804 R and Centrifuges 5810/5810 R

Swing-bucket rotor A-2-DWP for Centrifuges 5804/5804 R and Centrifuges 5810/5810 R

Drum rotor T-60-11 for Centrifuges 5804/5804 R and Centrifuges 5810/5810 R

Fixed-angle rotor F-34-6-38 for Centrifuges 5804/5804 R and Centrifuges 5810/5810 R

Fixed-angle rotors F-45-30-11 and FA-45-30-11 for Centrifuges 5804/5804 R and 5810/5810 R

Fixed-angle rotor F-45-48-PCR for Centrifuges 5804/5804 R and Centrifuges 5810/5810 R

0.2 and 0.5 ml PCR tubes

Safe-Lock micro test tubes

Standard Micro Test Tube 3810X

eppendorf purity levels

Racks and holders for micro test tubes

Deepwell Plates 96, 1.2 ml and 2.2 ml

## Resources

[eppendorf centrifuge 5810r manual](#)  
[eppendorf centrifuge 5810r accessories](#)  
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Customer Phone  
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(984) 444-9060

U.S. Customer  
Email:  
sales@laboratorycon  
trols.com  
laboratorycontrolssal  
es@gmail.com

Mail:  
6805 Dwight  
Rowland Rd - Unit  
611  
Willow Springs, NC  
27592

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