



FRONTIER™ 5707

Multi Centrifuges



Compact Low-Speed Centrifuge with a Modern Touch-Wheel Interface Ideal for General Low Throughput Lab Applications

Frontier 5707 is a reliable compact low-speed centrifuge ideal for processing small number of blood collection and urine tubes or standard conical tubes. Depending on the kit it might include a pre-installed rotor with different capacity: Angle rotor which can handle 8 x 15 ml RB or 4 x 15 ml FA tubes or Angle combi rotor which can handle 4 x 15 ml or 4 x 50 ml RB/FA tubes. Both rotors are suitable for round and conical bottom tubes. Designed with convenient operation in mind, Frontier 5707 features a uniquely designed splash-proof front panel with Touch-Wheel control on an intuitive interface.

Unique Features:

- Designed for ease of operation, the Frontier 5707 features convenient control on a protective splash-proof interface, which allows for responsive operation—even when wearing gloves.
- Enclosing all its functionalities within a small footprint, the Frontier 5707 saves valuable space on the lab bench.
- In order to ensure adaptability for various applications and satisfy different customers' requirements, there are 2 kits available that can include: an Angle rotor for 8 x 15 ml RB tubes or 4 x 15 ml FA tubes, or a combi Angle rotor 4 x 15 ml or 4 x 15 ml RB/FA. For clinical use, the rotor can directly accommodate multiple sizes of blood and urine tubes, or these can be paired with additional accessories. For research purposes, the kit can support 1.5/2.0 ml microtubes with additional accessories, or 15 ml tubes.

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Designed for easy operations and great user experience

- Easy-to-Use touch-wheel interface for parameter adjustments
- Convenient interface shows both set and actual parameters
- One-touch toggling between RPM/RCF, Acc/Dec
- Double-line LCD display with light blue backlight
- Audible signal at the end of each run with melody
- 10 acceleration/deceleration settings
- 99 memory sets to quickly store and recall commonly used parameters

Safety features enclosed within small footprint

- Microprocessors control to help prevent accidents and protect both the user and the equipment
- Rotor imbalance sensor systems stops the unit when it detects an imbalanced load
- Sturdy mechanical lid with locking system

Flexible rotor selections and kits to cover wide range of general laboratory and diagnostic applications

- Maintenance-free induction motor produces maximum G-force of 4445 x g
- Speeds up to 6800 rpm and quick spin for short runs
- Angle rotor which can handle 8 x 15 ml RB or 4 x 15 ml FA tubes or Angle combi rotor which can handle 4 x 15 ml or 4 x 50 ml RB/FA tubes



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Specifications

Model		FC5707+R05	FC5707+R09
Order No.		30393189	83041073
Speed Range		200 rpm – 6800 rpm; 10 rpm / increments	
Maximum RCF		4445 x g; 10 x g / increments	
Rotor in the Package		Angle Rotor: 8 x 15 ml RB or 4 x 15 ml FA	Angle Rotor: 4 x 50 ml RB/FA or 15 ml RB/FA
Temperature Range		Air cooled	
Refrigerant		N/A	
Running Time		Quick Spin, 10 sec to 99 hr 59 min, or continuous	
Noise Level		≤ 60 + 2 dB(A)	
Acc/Dec Levels		10/10	
Allowable Density at Maximum Speed		1.2 g/ml	
Allowable Kinetic Energy		845 Nm	1341 Nm
AC Power		110 - 230 V/50 - 60 Hz	
Voltage Fluctuation		± 10 %	
Current Consumption		0.8 – 0.4 A	
Power Consumption		50 W	
Dimensions (W x D x H)		277 x 351 x 231 mm	
Net Weight (with rotor)		11 kg	
Shipping Dimensions (W × D × H)		370 x 460 x 360 mm	
Shipping Weight (with rotor)		13.5 kg	
Ambient conditions (EN/IEC 61010-1)	Environment	For indoor use only	
	Altitude	Use up to an altitude of 2000 m	
	Ambient temperature	5 °C up to 35 °C	
	Max. relative humidity	Max. relative humidity 80 % for temperatures up to 31 °C, Decreasing linearly to 50 % relative humidity up to 35 °C.	
EMC		EN/IEC 61326-1 Class B emissions, Basic immunity FCC Class B emissions	
Not suitable for use in hazardous environments.			

Accessories

	Order No.	30472305			
	Description	Rotor Angle 8 x 15 ml RB or 4 x 15 ml FA			
	Compatible with	FC5707+R05			
	Max. Speed	6800 rpm			
	Max. RCF	4445 × g			
Accessories					
Order No.	Description	Vol./Tube	Diameter	Tube Type	No. of Tubes/Rotor
Without Adapter	Rotor Angle 8 x 15 ml RB or 4 x 15 ml FA	15 ml	17 mm	Round bottom	8
				Conical bottom	4
30130889	Adapter 1 x 7 ml D13 mm Vac/Sar, 2 pk	7 ml	13 mm	Round bottom / Vacutainer® / Sarstedt	8
30130890	Adapter 1 x 5 ml D13 mm Vac/Sar, 2 pk	5 ml	13 mm	Round bottom / Vacutainer® / Sarstedt	8
30130886	Adapter 1 x 1.5/2.0 ml D11 mm, 6 pk	1.5/2.0 ml	11 mm	Microtube	8
83041036	Adapter 1 x 1.1-5 ml D15 mm Vac/Sar, 2 pk	1.1 – 5ml	15 mm	Vacutainer® / Sarstedt	8

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	Order No.	83041009			
	Description	Rotor Angle 4 x 50 ml RB/FA or 15 ml RB/FA			
	Compatible with	FC5707+R09			
	Max. Speed	6800 rpm			
	Max. RCF	4445 × g			
Accessories					
Order No.	Description	Vol./Tube	Diameter	Tube Type	No. of Tubes/Rotor
Without Adapter	Rotor Angle 4 x 50 ml RB/FA or 15 ml RB/FA	50 ml	29 ml	Round bottom / Conical bottom	4
		15 ml	17 ml	Round bottom / Conical bottom	4

Shortcut list:

ID – auto rotor identification	Hi – version with higher speed	Vac – Vacutainer®	Sar – Sarstedt
FA – Conical bottom / Falcon®	FB – Flat bottom	RB – Round bottom	Rim – Skirted conical bottom

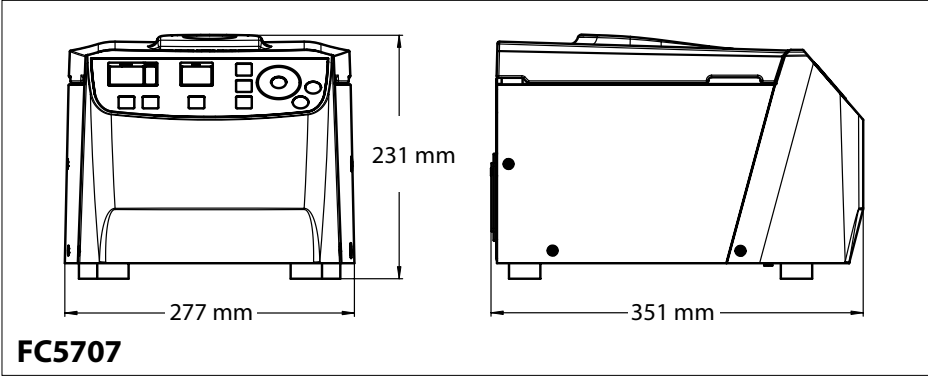
Other Standard Features and Equipment

Microprocessor control, Imbalance switch-off, Audible signal at the end of each run with melody options, Emergency release, 99 memory sets, Ten acceleration and ten deceleration rates, Pre-selection of running time from 10 sec to 99 hr 59 min or continuous, Quick spin for short runs.

Compliance

See Declaration of Conformity available CE Declarations | OHAUS

Outline Dimensions



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With offices throughout
Europe, Asia, and
Latin America
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Management System

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