



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 × 15 ml RB or 4 × 15 ml FA tubes or Angle combi rotor which can handle 4 × 15 ml or 4 × 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.

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 × 15 ml RB tubes or 4 × 15 ml FA tubes, or a combi Angle rotor 4 × 15 ml or 4 × 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.

FRONTIER™ 5707 *Multi Centrifuges*

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 $4445 \times g$
- Speeds up to 6800 rpm and quick spin for short runs
- Angle rotor which can handle 8×15 ml RB or 4×15 ml FA tubes or Angle combi rotor which can handle 4×15 ml or 4×50 ml RB/FA tubes



FRONTIER™ 5707 Multi Centrifuges

Specifications

Model		FC5707+R05	FC5707+R09
Order No.		30393189	83041073
Speed Range		200 rpm – 6800 rpm; 10 rpm / increments	
Maximum RCF		4445×g; 10×g / increments	
Rotor in the Package		Angle Rotor: 8×15 ml RB or 4×15 ml FA	Angle Rotor: 4×50 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	1 341 Nm
Rated voltage		110 - 230 V/50 - 60 Hz	
Voltage Fluctuation		± 10 %	
Rated current		0,8 – 0,4 A	
Power continues		50 W	
Dimensions (W×D×H)		277×351×231 mm	
Net Weight (with rotor)		11 kg	
Shipping Dimensions (W×D×H)		370×460×360 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 2 000 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.			

Rotors for FRONTIER™ FC5707



Angle Rotor 4 x 50 ml RB/FA or 15 ml RB/FA	
Item No.	83041009
Rotor Capacity	4x50ml RB/FA or 15ml RB/FA
Rotor Type	Angle, 30°
Permissible Net Weight	4 x 72g
Lowest Temp. at max. speed	n/a

Accessory Specifications	n/a	n/a
Accessory Item No.	n/a	n/a
Accessory Type	n/a	n/a
Max. RPM	6,800	6,800
Quantity in Package	n/a	n/a
Max. RCF	4,445 x g	4,445 x g
Tube Specifications		
Tube Type	Conical Bottom/Round Bottom	
Tube volume	50 ml	15 ml
Tubes per Rotor	4	4
Max. Tube Diameter (mm)	29	17
Tube Height (mm)	116	120



Angle Rotor 8 x 15 ml RB or 4 x 15 ml FA	
Item No.	30472305
Rotor Capacity	8 x 15 ml(Round bottom tube) 4 x 15 ml(Conical bottom tube)
Rotor Type	Angle, 32°
Permissible Net Weight	8 x 25 g
Lowest Temp. at max. speed	n/a

Accessory Specifications	n/a	n/a	n/a				
Accessory Item No.	n/a	n/a	n/a	30130889	30130890	83041036	30130886
Accessory Type	n/a	n/a	n/a	Adapter			
Max. RPM	6,800						
Quantity in Package	n/a	n/a		2/pk			6/pk
Max. RCF	4,445 x g			4,290 x g	3,618 x g	4,032 x g	2,894 x g
Tube Specifications							
Tube Type	Vacutainer®	Round Bottom*	Conical Bottom	Vacutainer®/ Sarstedt®	RIA/Vacutainer®/ Sarstedt®	Vacutainer®/ Sarstedt®	Microtube
Tube Volume	6-10 ml	15 ml		7 ml	5 ml	1.1-5	1.5/2.0 ml
Tubes per Rotor	8		4	8			
Max. Tube Diameter (mm)	16	17		13		15	11
Tube Height (mm)	100	107	120	95/115	65/75	65/75	42

*Not applicable to screw-cap round bottom tubes.