

Automatic Balancing Centrifuge

Smart and Affordable

ABC-CB200 ABC-CB200 R

Redesign your place with decent Labmaster.
Auto-balancing Centrifuge can save your time and cost.



Hanlab Compact Benchtop Centrifuges Labmaster® ABC-CB200 / ABC-CB200 R

AUTOMATIC BALANCING CENTRIFUGE

This is Smart and Affordable. Corrects Imbalance Automatically!

Built-in auto-balancing mechanism automatically compensates for the weight difference.

- No need of manual balancing preparation to weigh samples
- No symmetric disposition of samples
- Quiet operation
- Urgent operation with small number of samples (even with one tube)
- Saves your valuable time
- Minimizes the possibility of contamination
 - Enhances laboratory efficiency and productivity
 - Compacted with high tech raw materials to increase its shelf life.

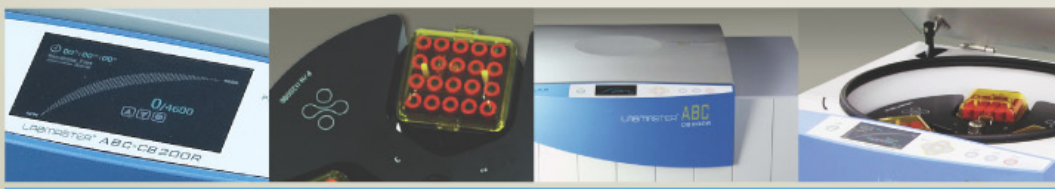


No more Balancing!!



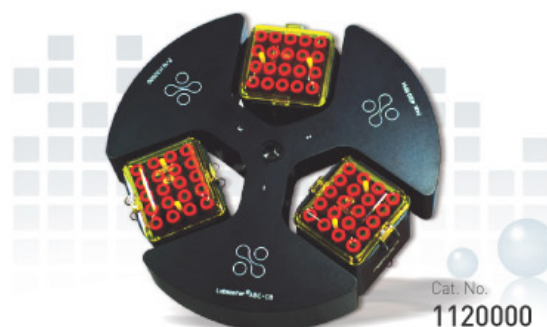
Monitoring Service program helps users keeping optimum condition of Labmaster® ABC through internet.

- Analyzes internal problems and manages to produce error messages on the LCD screen in real time
- Dispatches the operation status of error message to a service manager by an e-mail or a SMS message
- Performs software upgrade through remote server
- Tracks operating history



Safety
Convenience
Productivity

Swing-out Rotor, Normal



Swing-out Rotor, Normal

Rotor Type	Swing-out Rotor
Rotor Capacity	3 × 340 ml
Max. RPM	4,600rpm
Max. RCF	4,259xg
Max. Capacity	3 × 340ml
Max. Mass Imbalance Compensation	75g

Applicable types of tube/bottle



Bucket



1191100

Holder for Tubes



1191013 1191017 1191018 1191026



1191029 1191030

Holder for Bottles



1191085 1191062

Accessories for Swing-out Rotor Bucket(No.1191100)

Tubes					
Volume [ml]	Size [mm]	Capacity	Required Holder	Max. RCF [xg]	Max. Speed [rpm]
1.5	Φ13 × 75	20 × 3	1191013 *	4,259	4,600
	Φ11 × 38	20 × 3			
	Φ11 × 39	20 × 3			
2	Φ13 × 75	20 × 3	1191013 *	4,259	4,600
	Φ11 × 38	20 × 3			
	Φ11 × 39	20 × 3			
5	Φ13 × 100	20 × 3	1191013 *	4,259	4,600
	Φ13 × 75	20 × 3			
	Φ12 × 75	20 × 3			
7	Φ13 × 100	20 × 3	1191013 *	4,259	4,600
	Φ16 × 80	15 × 3			
	Φ16.1 × 81.1	15 × 3			
10	Φ16 × 67	15 × 3	1191017 *	4,259	4,600
	Φ16 × 76	15 × 3			
	Φ16 × 100	15 × 3			
15	Φ16 × 96	15 × 3	1191017 *	4,259	4,600
15(Conical)	Φ17 × 120	14 × 3	1191018	4,259	4,600
25	Φ24 × 100	6 × 3	1191026	4,259	4,600
	Φ25 × 76(PA)	6 × 3			
30	Φ25.3 × 92(PA,PCT)	6 × 3	1191026	4,259	4,600
	Φ25.7/25 × 89	6 × 3			
50	Φ29 × 104(PA,PC)	5 × 3	1191029	4,259	4,600
	Φ28.5 × 107(T)	5 × 3			
	Φ34 × 100(Glass)	4 × 3	1191035		
50(Conical)	Φ28.5 × 120	5 × 3	1191030	4,259	4,600
80	Φ44 × 100(Glass)	1 × 3	1191045	4,259	4,600
100	Φ44 × 100(Glass)	1 × 3	1191045	4,259	4,600

* No. 1191200 Bucket Cover is applicable.

Bottles					
Volume [ml]	Size [mm]	Capacity	Required Holder	Max. RCF [xg]	Max. Speed [rpm]
250	ø85×135	1×3	1191085	4.259	4.600
	ø62×120	1×3	1191062		
	ø62×122	1×3			

- Labmaster® ABC-CB200 Series designed for all types of usage in bio-medical laboratories
- General Hospital Lab., Blood Bank, Emergency Room, Biochemistry, Molecular Biological Research, University and etc..





Swing-out Rotor, Large



Swing-out Rotor, Large

Rotor Type	Swing-out Rotor
Rotor Capacity	3 × 400 ml
Max. RPM	4,100rpm
Max. RCF	3,383xg
Max. Capacity	3 × 400ml
Max. Mass Imbalance Compensation	45g

Applicable types of tube/bottle



Accessories for Swing-out Rotor Bucket, Large (No.1193100)

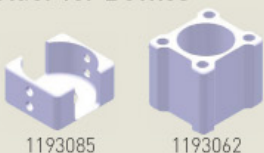
Bucket



Holder for Tubes



Holder for Bottles



Holder for Microplates



Tubes					
Volume [ml]	Size [mm]	Capacity	Required Holder	Max. RCF [xg]	Max. Speed [rpm]
1.5	Φ13 × 75	28 × 3	1193013	3,383	4,100
	Φ11 × 38	28 × 3			
	Φ11 × 39	28 × 3			
2	Φ13 × 75	28 × 3	1193013	3,383	4,100
	Φ11 × 38	28 × 3			
	Φ11 × 39	28 × 3			
5	Φ13 × 100	28 × 3	1193013	3,383	4,100
	Φ13 × 75	28 × 3			
	Φ12 × 75	28 × 3			
7	Φ13 × 100	28 × 3	1193013	3,383	4,100
8 / 10	Φ15 × 100	28 × 3	1193014	3,383	4,100
10 / 12	Φ16 × 80	22 × 3	1193017	3,383	4,100
	Φ16.1 × 81.1	22 × 3			
	Φ16 × 67	22 × 3			
	Φ16 × 76	22 × 3			
	Φ16 × 100	22 × 3			
15	Φ16 × 96	22 × 3	1193017	3,383	4,100
15(Conical)	Φ17 × 120	17 × 3	1193018	3,383	4,100
25	Φ24 × 100	8 × 3	1193026	3,383	4,100
	Φ25 × 76(PA)	8 × 3			
30	Φ25.3 × 92(PA,PCT)	8 × 3	1193026	3,383	4,100
	Φ25.7/25 × 89	8 × 3			
50	Φ29 × 104(PA,PC)	6 × 3	1193029	3,383	4,100
	Φ28.5 × 107(T)	6 × 3			
	Φ34 × 100(Glass)	5 × 3	1193035		
50(Conical)	Φ28.5 × 120	6 × 3	1193030	3,383	4,100
80	Φ44 × 100(Glass)	2 × 3	1193045	3,383	4,100
100	Φ44 × 100(Glass)	2 × 3	1193045	3,383	4,100

Bottles					
Volume [ml]	Size [mm]	Capacity	Required Holder	Max. RCF [xg]	Max. Speed [rpm]
250	φ85×135	1×3	1193085	3,383	4,100
	φ62×120	1×3	1193062		
	φ62×122	1×3			

Accessories for Swing-out Rotor Bucket, Large(No.1192100)

Microplates					
Volume [ml]	Size [mm]	Capacity	Required Holder	Max. RCF [xg]	Max. Speed [rpm]
MTB	128 × 85.6 × 15	4 × 3	1192045	3,041	4,000
DWP	128 × 85.6 × 45	1 × 3	1192045		

Fixed-Angle Rotor, 100ml



Cat. No.
1131000

Cat. No. 1131200 Rotor Cover

Fixed-angle Rotor, 100ml

Rotor Type	Fixed-angle Rotor
Rotor Capacity	6 × 100 ml

Max. RPM	10,000rpm
Max. RCF	11,739xg
Max. Capacity	6 × 100ml
Max. Mass Imbalance Compensation	12g

Holder for Tube



1131618

1131626

1131629

Accessories for Fixed-angle Rotor (No.1131000)

Tubes					
Volume [ml]	Size [mm]	Capacity	Required Holder	Max. RCF [xg]	Max. Speed [rpm]
10	Φ16 × 80(PC)	1 × 6	1131618	10,957	10,000
	Φ16.1 × 81.1(PA,T)	1 × 6			
15	Φ17 × 120(PP)	1 × 6	1131618	10,957	10,000
	Φ18 × 100(PP)	1 × 6			
	Φ18 × 106	1 × 6			
15(Conical)	Φ17	1 × 6	1131618	10,957	10,000
25	Φ24 × 100	1 × 6	1131626	11,180	10,000
	Φ25 × 76(PA)	1 × 6			
30	Φ25.3 × 92(PA,PCT)	1 × 6	1131626	11,180	10,000
	Φ25.7 / 25 × 89	1 × 6			
35	Φ29	1 × 6	1131629	11,404	10,000
50	Φ29 × 104(PA,PC)	1 × 6	1131629	11,404	10,000
	Φ28.5 × 107(T)	1 × 6			
50(Conical)	Φ28.5 × 120	1 × 6	1131629	11,404	10,000
70	Φ38 × 102(PC)	1 × 6	-	11,739	10,000
85	Φ38 × 104	1 × 6	-	11,739	10,000
94	Φ38 × 102	1 × 6	-	11,739	10,000
100	Φ38 × 102(PP)	1 × 6	-	11,739	10,000

Cat. No.
1132000



Cat. No. 1132200 Rotor Cover

Fixed-angle Rotor, PCR

Rotor Type	Fixed-angle Rotor
Rotor Capacity	30 × 2 ml

Max. RPM	13,000rpm
Max. RCF	19,839xg
Max. Capacity	30 × 2ml
Max. Mass Imbalance Compensation	8g

Fixed-Angle Rotor, PCR

Accessories for Fixed-angle Rotor(No.1132000)

Tubes					
Volume [ml]	Size [mm]	Capacity	Required Holder	Max. RCF [xg]	Max. Speed [rpm]
1.5	Φ11 × 38	30	-	19,839	13,000
	Φ11 × 39	30			
2	Φ11 × 38	30	-	19,839	13,000
	Φ11 × 39	30			

Hanlab Corporation certified ISO 13485 is a biotechnology company which develops, produces and distributes systems to provide a biological and physical chemistry technology with medical instruments and diagnostics reagents for customer's satisfaction.

HANLAB
A Colorful World thru Health & Biotechnology

Medical instrument manufacturing and sales company



ORDERING INFORMATION

Labmaster®
Automatic Balancing Centrifuge

Refrigerated / Non-Refrigerated Centrifuge

Part No.	Description
1100000	Labmaster® ABC-CB200 Centrifuge, 220 VAC/230 VAC
1200000	Labmaster® ABC-CB200R Centrifuge, 220 VAC/230 VAC

ROTORS

Part No.	Description	Max Speed (rpm)	Max RCF (g)
1120000	3 × 340ml Swing-out Bucket Rotor 8 Different Adapters Available	4,600	4,259
1130000	3 × 400ml Swing-out Bucket Rotor	4,100	3,383
1131000	6 × 100ml Fixed Angle Rotor 100ml tube type	10,000	11,739
1132000	30 × 1.5/2ml Fixed Angle Rotor, Micro tube type	13,000	19,839

No more Balancing!!

Labmaster® ABC-CB200 and ABC-CB200 R centrifuges offer the laboratory automation as well as smart working environment to meet the advanced user' demand simply.

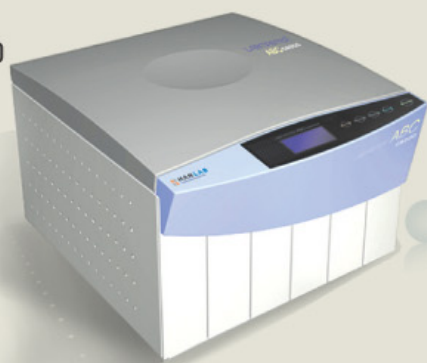
Specifications

Description	ABC-CB200	ABC-CB200 R
Refrigeration	No	Yes
Drive	Brushless DC motor	Brushless DC motor
Max. speed	13,000 rpm (fixed-angle)	13,000 rpm (fixed-angle)
Max. g-Force	19,839 xg	19,839 xg
Max. capacity	3 × 400 ml	3 × 400 ml
Run time	10 hrs (9 hrs 59 min 59 sec)	10 hrs (9 hrs 59 min 59 sec)
Set Temperature range	N/A	- 4°C to 40°C
Max. Mass Imbalance Compensation	75g	75g
Braking/accel. Curves	10/10	10/10
Centrifuge protection	Lid lock and interlock	Lid lock and interlock
Dimensions (H×W×D) mm	370 × 500 × 570	370 × 680 × 570
Weight kg	74.5	102
Power consumption kW	2.0	2.0
Test standards	EN 61010-1:2001, EN 61326:1997/A1:1998/A2:2001/A3:2003 (ClassA), EN61000-3-2:2006, EN61000-3-3:1995/A1:2001/A2:2005	
Safety	· Corrects imbalance automatically (Compensation arena : ~75g) · Motor overheating protection · Lid locking and holding during rotor run · Emergency lid lock release · Lid dropping protection	

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Labmaster® ABC-CB200

Cat. No.
1100000



Labmaster® ABC-CB200 R

Cat. No.
1200000



ISO9001,13485



Certificate of Europe



Good Manufacturing Practice



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