



SHAKING

I N C U B A T O R



Benchtop

Benchtop Shaking Incubator LBSIO-100 Series

Labocon Benchtop Shaking Incubator LBSIO-100 Series is a compact biological shaker that perfectly fits on your bench. A large clear lid enables easy viewing of your culture media. The unique balance weighting system facilitates uniform motion and dependable operation. Microprocessor controls with digital display enable easy operation and accurate regulation of temperature, speed and running time. A large assortment of platforms, clamps, test tube holders and other accessories allows configuration to meet your exact needs.

Features

- Stainless steel inner chamber and platform
- Clear large lid provides excellent visibility minimizing the need to open the lid
- Adjustable counterbalance system provides vibration-free operation
- Smooth start and stop system prevents liquid spillage
- Microprocessor controller with timing function
- Large LCD display
- Refrigerant: CFC R134a
- High quality compressor and fan motor
- Interchangeable platforms for shaking-incubating different vessels
- Auto-controller of fan speed prevents damage to samples
- Digital control of time, temperature and shaking speed for accuracy and repeatability
- Open lid cut off switch immediately stops shaking when lid is open
- Optional
 - * Temperature limit alarm
 - * Programmable Temperature Controller
 - * Filter
 - * RS485 Interface
 - * Printer

Application

Labocon Shaking Incubator is suitable for cell culturing, cell aeration, solubility studies, sample preparation, water analysis, BOD measurement, plating and breeding experiments in research institutions, universities and colleges, etc.



Specification

Model	LBSIO-101		LBSIO-102		LBSIO-103	LBSIO-104
Capacity	-		-		-	-
Temp. Range	RT+5-50°C					
Ambient Temp.	5-40°C					
Temp. Accuracy	±0.1°C					
Temp. Uniformity	±1°C					
Temp. Fluctuation	±1°C					
Temp. Resolution	0.1°C					
Shaking Motion	Orbital					
Shaking Speed Range	20-300 rpm					
Shaking Speed Accuracy	±1 rpm					
Shaking Speed Increment	1 rpm					
Shaking Orbit	20 mm					
Timer Range	1-9999 min				0.1-999.9 h	
Platform Dimension	280x220 mm	350x350 mm	370x340 mm	450x450 mm		
Max. Vessel Height	>30cm					
Inner Dimension (WxDxH)	-	-	-	-	-	
Overall Dimension (WxDxH)	500x610x460 mm	500x610x460 mm	500x610x460 mm	590x740x445 mm		
Power	500W				750W	
Power Supply	220V,60Hz					
Weight	56 kg				80 kg	
Catalog No.	9172101125	9172102125	9172103125	9172104125		

Platform Accessories:

For Model	Clamp Model	Description (Volume x No. of Flask)
LBSIO-101	LP-01	50mlx9
	LP-02	100mlx9
	LP-03	250mlx5
LBSIO-102, LBSIO-103	LP-04	50ml x 24
	LP-05	100ml x 15
	LP-06	250ml x 8
	LP-07	500ml x 7
	LP-08	1000ml x 4
	LP-09	2000ml x 2
LBSIO-104, LBSIO-105	LP-10	50ml x 42
	LP-11	100ml x 28
	LP-12	250ml x 12
	LP-13	500ml x 11
	LP-14	1000ml x 8
	LP-15	2000ml x 4

Benchtop Shaking Incubator LBSIO-200 Series

Labocon Benchtop Shaking Incubator LBSIO-200 Series is a compact biological shaker that perfectly fits on your bench. A large clear lid enables easy viewing of your culture media. The unique balance weighting system facilitates uniform motion and dependable operation. Microprocessor controls with digital display enable easy operation and accurate regulation of temperature, speed and running time. A large assortment of platforms, clamps, test tube holders and other accessories allows configuration to meet your exact needs.

Features

- Stainless steel SUS304 interior and powder coated exterior
- Forced convection system ensures temperature uniformity
- Tempered safety glass window
- Touch screen panel
- Brushless DC Motors: Low maintenance, no brush sparking, high operating speed, high efficiency, constant torque, constant speed of rotation
- Safety switch immediately stops shaking when lid is open
- Over heat and over low protector

Application

Labocon Shaking Incubator is suitable for cell culturing, cell aeration, solubility studies, sample preparation, water analysis, BOD measurement, plating and breeding experiments in research institutions, universities and colleges, etc.



Specification

Model	LBSIO-201	LBSIO-202	LBSIO-203
Capacity	66 L	65 L	102 L
Temp. Range	RT+5-70°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±0.1°C		
Temp. Uniformity	±1°C		
Temp. Fluctuation	±1°C		
Temp. Resolution	0.1°C		
Shaking Motion	Orbital		
Shaking Speed Range	20-250 rpm		
Shaking Speed Accuracy	±1 rpm		
Shaking Speed Increment	1 rpm		
Shaking Orbit	25 mm		
Timer Range	999h/999min/999s		
Platform Dimension	400x300 mm		450x450 mm
Max. Vessel Height	-	-	-
Inner Dimension (WxDxH)	455x390x380 mm	450x390x370 mm	500x540x380 mm
Overall Dimension (WxDxH)	460x510x540 mm	520x550x610 mm	510x650x540 mm
Power	-		
Power Supply	220 V, 60 Hz		
Weight	30 kg	50 kg	40 kg
Catalog No.	9172107584	9172106584	9172108584

Platform Accessories:

For Model	Clamp Model	Description (Volume x No. of Flask)
LBSIO-201, LBSIO-202	LP-16	50ml x 35
	LP-17	125ml x 20
	LP-18	250ml x 12
	LP-19	500ml x 6
	LP-20	1000ml x 4
	LP-21	2000ml x 2
LBSIO-203	LP-22	50ml x 64
	LP-23	125ml x 36
	LP-24	250ml x 25
	LP-25	500ml x 16
	LP-26	1000ml x 9
	LP-27	2000ml x 5

Optional Accessories & Features

1. RS-232 Port and USB Port
2. PUF Insulation: 155 mm thickness* (cooled incubator only)
3. Universal Sticky Mate
4. Program temperature controller: 2 segments, each 8 points
5. Shaking Programming motor Controller: 9 segments/rotates to left or right to set auto-start on a schedule
6. Universal Spring rack (430x290mm, 580x460mm, 360x260mm, 410x410mm, 440x340mm)
7. Timer Switch & Indicator light
8. Viewing window with sliding door
9. Electrical Outlet inside the chamber
10. Change RPM to 500 and 400
11. Light set (2pc) with Timer and Switch
12. Buzzer Alarm after timer and overheat
13. Indicator light of low water level
14. Oven change max. temperature to 250degree Celsius.
15. UV light with switch and anti-UV film
16. Photosynthetic light with switch
17. Data transfer-D sub
18. Speed Controller
19. Remote Alarm System
20. Test Tube Racks/Culture tube Holder - variable size
21. 96 well Deep Well/ELISA Microplate Holder



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