

DARSUN SCIENTIFIC

Darsun Co2 shaking incubator DS-4 Series

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	50ml	100ml	150ml	200ml	250ml	500ml	1000ml	2000ml	5000ml
Max capacity Sticky mat DS-A47	112	72	60	54	45	28	15	12	6
Max capacity Flask clamp	104	45	45	45	40	25	15	12	/

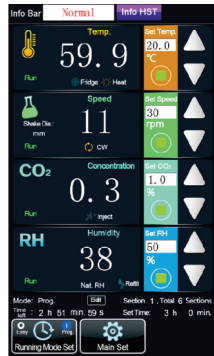
- Smaller size, 250L
- Humidity control available
- CO2 control available

Introduction

- 250L smaller size with better temperature uniformity, ± 0.3
- Triple-eccentric counterbalance drive system with brushless DC motor
- 10" high-res color touch screen with intuitive user interface
- Infra-red(IR) CO2 sensor for precise and reliable CO2 detection
- Optional Wifi and RS485 monitoring and control
- Stackable up to 3 units
- Biological and chemical reactions with high requirements on temperature and oscillation frequency.
- Bacteria, fungi, yeast, algae culture and amplification.
- Animal cells, plant cells, virus culture (insect cells culture).
- Plasmid amplification protein expression and amplification.
- Fermentation and hybridization.
- Applied in research fields such as

DS-4 series shaker is designed to accommodate your incubation and shaking application with smaller size which can be stacked up to 3 units Available in a shaking diameter of 26mm or 50mm for a majority of applications.

Features



- 10" LCD touchscreen
- Automatically lock and password protection
- User-friendly interface with simple and clear function module

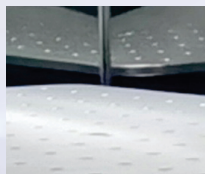
Triple-eccentric Counter Balanced

- Provide smooth and stable shaking for heavy and even loading
- Maintenance-free Brushless motor Drive provides high efficient and reliable operation
- Low noise and longer service life



Hygiene

- Rounded inner corners make easy to clean
- Drain port at back
- UV light

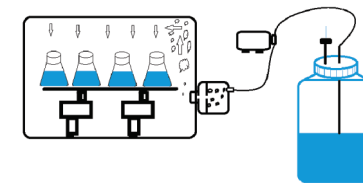


CO2 Control with Infrared (IR) sensor

- Infrared Sensor drift free
- Keep CO2 concentration between 0-20%

Humidity control (OPTIONAL)

- Set at 10% above ambient humidity, up to 90%
- No evaporation, no contamination in the chamber
- No condensation produced



Temperature Control

- Combined PID and Fuzzy Control Technology to ensure temperature accuracy at $\pm 0.1^{\circ}\text{C}$
- Highly efficient inverter compressor refrigeration allows for cooling as low as 18°C below room temperature with low energy consumption (minimum temperature at 4°C)
- Program mode allows user to set up to 12 segments of varying temperature and speed

Slide-out platform

- Easy to make the operation



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Monitor & control system & App (Optional)

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Computer monitoring software for incubator shaker (Optional)



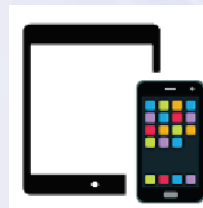
Remote WI-FI controller



WLAN /Internet



iphone/Android phone



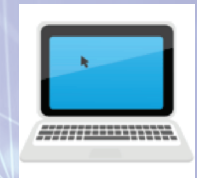
iPAD & iphone

internet



Rs485

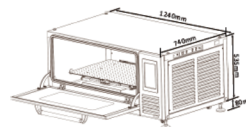
RS485 to USB



Production Dimension



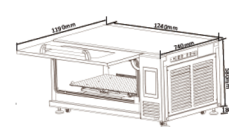
1.down-swing-door instrument



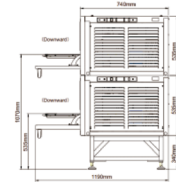
2Down-swing-door instruments and upward-swing instruments are stacked as below









1.upward-swing-door instrument



2Trestle and 2 down-swing-door instruments are stacked as below



Model	Name	Specifications	Max Qty	Figure
DS-A1	Flask Clamp	50ml	104	
DS-A2		100ml	45	
DS-A3		150ml	45	
DS-A4		200ml	45	
DS-A5		250ml	40	
DS-A6		500ml	25	
DS-A7		1000ml	15	
DS-A8		2000ml	12	
DS-A11	Test Tube Rack	40xØ14mm		
DS-A12		40xØ16mm		
DS-A23		27xØ18mm		
DS-A24		27xØ22mm		
DS-A42		21xØ30mm		
DS-A20	Adjustable Test Tube Rack	40xØ14mm		
DS-A21		40xØ16mm		
DS-A30		27xØ18mm		
DS-A31		27xØ22mm		
DS-A32		21xØ30mm		
DS-A37		24xØ30mm	6	
DS-A13	96-well Microplate Holder	96well		
DS-A35	Fixture Separating Funnel			
DS-A90	Liquid Storage Tank	240x240x400mm	1	
DS-A81	Window Shade	652x232x35mm	1	
DS-A33	Infusion Bottle Clamp	500ml		
DS-A34	Infusion Bottle Clamp	1000ml		
DS-A47	Self-Adhesive Silica Mat	140x140mm	15	

Model	Name	Specifications	Max Qty	Figure
DS-A91	Rack for Stacking Incubator Shakers	1241x651x340mm	1	
DS-A27	Multifunction Spring Platform	350x240x80mm	4	
DS-A22		450x400x80mm	1	
DS-A14		428x295x80mm	2	
DS-A71	Automatic Water Replenishing Device	AC 110~240V 50/60Hz	1	
DS-A72	RH Controller	AC 220V+22V,50/60Hz	1	
DS-A64	Remote Monitoring for Incubator Shaker (With APP)	210x42x210mm	1	
CIA23	CO_2 Pressure Relief Valve	MAX 15 MPa Import: G5/8-RH(F) Export: M 16x1.5	1	
CIA25	CO_2 Pressure Relief Valve	MAX 15MPa Import: G5/8-RH(F) / Export: M16x1.5RH(M)	1	

Model	Orbital Diameter 26 mm	Orbital Diameter 50 mm	Door Direction Downward	Door Direction Upward	CO2
DS-4	✓	✗	✓	✗	✗
DS-4T	✓	✗	✗	✓	✗
DS-4C	✓	✗	✓	✗	✓
DS-4C5	✗	✓	✓	✗	✓
DS-4C5T	✗	✓	✗	✓	✓



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