



PREMIUM DOUBLE LAYER SHAKING INCUBATOR



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Darsun Scientific PREMIUM DOUBLE LAYER SHAKING INCUBATOR

DSYR-2102C/DSYR-2102



Product Overview

- 4.3"/5.6" LCD touch screen panel clearly indicates all parameters in one page display and makes it easy to change the operating parameters settings, even those multi set points under programmable mode intuitively.
- P.I.D microprocessor controller provides unmatched versatility by enable users to create personalized program (with up to 9 segments, with cycling) to automate changes to function parameters.
- Large double fold tempered glass window on the front doors together with the fluorescent light provide complete visibility of chamber interior.
- Mirror-finished high quality #304 stainless steel for excellent durability of interiors. Non-volatile memory for set point retention after power interruption.
- Robust triple eccentric counterbalanced drive in cast iron housing provides vibration and trouble free operation with high shaking speed up to 300rpm even when both layers are fully loaded.
- Quality brushless AC inductive motor supports reliable, quiet and smooth shaking movements up to top speed even when fully loaded with 90 pieces of 250ml flasks (DS-2112B, DS-2112).
- Auto-defrosting system, ensuring long-terms non-frosting operation with low temperature setpoints.
- Non-volatile memory saves settings during a power outage and automatically restarts the unit after power is restored.
- Audible and visual alarms on over temperature and motor overheating, and automatically cut off the power. Soft start and smooth acceleration when doors are closed after short opens.
- Dedicated single layer shaking frame is available for the ease of using large flasks.
- For data recording, the units are equipped with a built-in thermo printer as standard, so that operators could check how the performance parameters vary according to specified process without having to be on site. Timer up to 9999 mins under fixed value control mode.
- UV light reduces the air burden, keeping the chamber contamination free. Predrilled standard tray included, without clamps.



Double Layer
Shaking Frame



Flask (ml)	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml	P8010	P8012
DS-2102C	78	56	36	24	18	6*	4*	3*	2*	4	9
DS-2102	118	104	64	54	30	30	8*	7*	4*	8	19
DS-2112B	262	200	110	76	52	44	15*	10*	8*	11	30
DS-2112	252	190	98	80	48	40	15*	10*	7*	10	32

Stands are available in 35cm cabinet base stand (#P5010-35); 50cm Frame base stand (#P5010-50)

Model	DSYR-2102C	DSYR-2102
Control	P.I.D Microprocessor	
Control Mode	Fix Value or Program (up to 9 Segments)	
Control Panel	LCD Touch Screen	
Volume (L)	170	330
Working Temperature(°C)	5-25	
Shaking Speed (rpm)	30-300	
Stroke (mm)	26	
Shaking Mode	Orbital	
Temperature (°C)	4 to 60°C	
Temperature Accuracy	±0.1°C	
Temperature Uniformity	±1°C@37°C	
Timer	1 to 9999 mins	
Tray (mm) (WxD)	496x350	734x458
Inner dimensions (mm) (WxDxH)	615x450x640	845x530x765
Exterior dimensions (mm) (WxDxH)	720x685x1310	950x755x1445
Packing dimensions (mm) (WxDxH)	800x770x1490	1030x870x1640
Net/Gross Weight (kg)	195/238	255/320
Power (W)	1000	1050
Electricity	220-240V 50/60 Hz	
Approval	CE, ISO	
Security	Over-temperature Protection, Compressor Overload Protection, Electrical	
Additional	Built-in Printer, RS485 Interface Kit (Option)	

Ordering Information:

Part NO.	Description	Part NO.	Description
DSYR-2102C	DSYR-2102C, 170L, Premium Double Layer Shaking Incubator 4-60, 30-300rpm	P8001	T Clamp, S/S, for 50ml Flask, with Spring Retainer
DSYR-2102	DSYR-2102, 330L, Premium Double Layer Shaking Incubator 4-60, 30-300rpm	P8002	T Clamp, S/S, for 100ml Flask, with Spring Retainer
P5001	Single Layer Shaking Frame for DSYR-2102C, Stl S/C#	P8014	T Clamp, S/S, for 300ml Flask, with Spring Retainer
P5002	Single Layer Shaking Frame for DSY-1102/2102, DSYR-2102C, Stl S/C	P8004	T Clamp, S/S, for 500ml Flask, with Spring Retainer
P5016	RS-485 Interface	P8006	T Clamp, S/S, for 1000ml Flask, with Spring Retainer
P6010	Tray for DSY-2102C S/S※	P8007	T Clamp, Spring S/S, for 2000ml Flask, with Spring Retainer