

Shaking Incubators



Antech unique technology on the motor driving and tray balance controlled by the PID microprocessor enable the shaking more smooth, stable and safe.

Scope of application: Cell culture/Extraction experiment/Sample mixing

Dyeing and decoloring/Hybridization experiment

Solubility test/Plasmid purification/Bacterial suspension preparation

Elution process/Expressed protein



Features

- Vertical double-layer structure, small footprint and large bottle capacity.
- The original single-axis balanced drive technology is ultra-low and quiet.
- Intelligent acousto-optic alarm environment scanning micro-processing controller.
- The large LCD backlit LCD display shows the set parameters and measured parameters.
- The operating parameters are encrypted and locked to avoid human misoperation.
- Run parameter memory function to avoid tedious operation.



General Control

P.I.D microprocessor with LCD display shows icons and logical menus.
Automatic run is available with non-volatile set point memory after power interruption.

Shaking Control

Speed range: 30 to 300 rpm. Stroke : 25mm. Timer range: 0 to 999 hours 59 min.
Audible/Visible alarm for shaking speed deviation.
Automatic shaking speed adjustment in case of excessive workload such as unbalanced load placement, unusual vibrations caused from unstable floor or external shock.

Temperature Control

Ambinet. +5°C to 60 °C (forATS-1102C/1102)
Min. +4) to 60°C (for ATS-2102C/2102/1112B/2112B/2112D/2112F)
Microprocessor PID control and auto-tuning.
Temperature adjustment is 0.1°C,
Audible and visible alarm for high and low temperature

Accessories

UV germicidal light keeps the chamber contamination free.
LED light for users easy to observe shaking condition



Flask Capacity

Flask Capacity	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml
ATS-1102C/2102C	48	48	30	24	—	12	—	—	—
ATS-1102/2102	104	104	56	44	—	30	—	—	—
ATS-1112B/2112B /2112D/2112F	164	164	90	70	—	36	30	—	—



Specification

Product model	ATS-1102C	ATS-2102C	ATS-1102	ATS-2102	ATS-1112B	ATS-2112B	ATS-2112D	ATS-2112F
Chamber volume	172L	172L	336L	336L	639L	639	639L	639L
Shaking mode	Orbital	Orbital	Orbital	Orbital	Orbital	Orbital	Orbital	Reciprocal
Shaking Speed	30~300RPM	30~300RPM	30~300RPM	30~300RPM	30~300RPM	30~300RPM	30~300RPM	30~300RPM
Stoke	25mm	25mm	25mm	25mm	35mm	35mm	50mm	25mm
Temperature Range	+5 C~60 C	4~60 C	+5 C~60 C	4~60 C	4~60 C			
Performance	Heated	Heated and Refrigerated	Heated	Heated and Refrigerated	Heated and Refrigerated			
Tray size (W*D)	500x350mm		734*464mm		920*520mm			
Control	P. I. D Microprocessor							
Control mode	Fixed value or program (upto 8 segment)							
Display	LCD display							
Air Convection	Forced Air							
Ambient temperature	10-35 C							
Temperature Accuracy	0.1 C							
Temperature uniformity	±1 C (at 37 C)							
Stroke Accuracy	±1RPM							
Timer	0-500hours							
Tray Quantity	2							
Net weight	150KGS	165KGS	200	235KGS	456KGS			
Interior size(W*D*H)	600*400*650mm		850x520x760mm		1100*700*830mm			
Exterior size (W*D*H)	700*600*1250mm		950x740x1400mm		1200x850x1550mm			
Accessory	LED light/UV lamp							
Power	600W				1120			
Voltage	AC 200~240V 50H or AC 200~240V 60Hz							
Interior material	High-quality 304 stainless steel Mirror type							
Exterior material	High-quality cold rolled steel with electrostatic powder spraying							
Safety	"Audible and visible: High/low temperature, high/low shaking speed, Electrical overload protection, Electrical leakage protection, Compressor overload protection"							

Order information

FT001	T clamp,S/S,with spring retainer for 50mL flask	FT007	T clamp,S/S,with spring retainer for 750ml flask
FT002	T clamp,S/S,with spring retainer for 100mL flask	FT008	T clamp,S/S,with spring retainer for 1000ml flask
FT003	T clamp,S/S,with spring retainer for 150ml flask	FT009	T clamp,S/S,with spring retainer for2000ml flask
FT004	T clamp,S/S,with spring retainer for 250ml flask	FT010	T clamp,S/S,with spring retainer for 3000ml flask
FT005	T clamp,S/S,with spring retainer for 300ml flask	FT011	T clamp,S/S,with spring retainer for 5000ml flask
FT006	T clamp,S/S,with spring retainer for 500ml flask		