Benchtop Shaking Incubator TS-1400, 220V/50Hz



Benchtop Shaking Incubator TS-1400 is suitable for cell culturing, cell aeration, and solubility studies. In addition to offering stable temperature conditions, the Iris incubator shakers use an orbital agitation at variable speeds to affect the growth of cell cultures.

The Iris TS-1400 incubator shaker is suitable for applications in modern laboratories, research centres and production facilities. It offers a large shaking capacity with a small footprint and also many features allowing straightforward, safe handling of product.

- Inside material is SUS304 and outside body is powder painting
- Install light to view inside clearly
- With safety switch to stop shaking when opening door
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Transparent glass observation window.
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Overheat protector, built-in circulating fan for temperature stability.
- Touch Screen Panel.
- Overheat and over low protector, built-in circulating fan for temperature stability.
- With safety switch to stop shaking when opening door.
- Tempered Safety Glass Window for operation view.
- Smooth and quiet shaking mechanism.

Technical Specification:

Model	TS-1400
Display and Control	LED Digital Display / On-Touch Control
Vibration Style	Orbital
Speed Adjustment Steps (rpm)	± 1 rpm
Platform Size (mm)	400 x 300 mm
Capacity (liters)	66L
Temperature Range (℃)	Ambient +5℃ ~ 70°C
Temperature Accuracy (℃)	±0.1℃ (38℃)
Temperature Stability (℃)	±1.0℃ (38℃)
Temperature Uniformity (℃)	±1.0℃ (38℃)
Temperature Fluctuation □℃□	±1.0℃ (38℃)
Temperature Setting	Digital
Temperature Controller	Touch Control; Digital Display with PID automatic regulation
Temperature Display	Digital
Shaker Controller	Microprocessor Digital LED
Shaker Power Unit	Brushless motor
Shaking Methods	Orbital
Shaking Throw (mm)	25mm
Shaking Width (mm)	25mm
Speed Accuracy (rpm)	±1rpm (at 150rpm)
Speed Fluctuation (rpm)	±1rpm (at 150rpm)
Speed Setting	Digital
Speed Controller	Microprocessor Controlled Digital
Speed Display	Digital
Shaking Plate	400 x 300 mm
Inside Dimension (WxDxH) mm	455 x 390 x 380 mm
Timer	999 h / 999 min / 999 sec
External Dimensions (WxDxH) mm	510 x 650 x 540 mm
Net Weight (kg)	30kg
Electrical Requirements	220V/50Hz
Catalogue No.	5402005-2
Door Type	Flip-up Door

Technical Data:

Model	TS-1400		TS-1450		TS-1420	
Door Type	Flip-up Door				Upright	
Temperature Range (?)	Ambient+5?~70?					
Shaking Speed (rpm)	20~250 rpm					
Temperature Accuracy (?)	±0.1?					
Temperature Control	PID					
Temperature Display	LED					
Shaking Width (mm)	25mm					
Timer	999 h / 999 min / 999 sec					
Shaking Plate Size (mm)	400 x 300 mm		450 x 450 mm		400 x 300 mm	
Volume (liters)	66 L		102 L		65 L	
Inside Dimension (WxDxH) mm	455 x 390 x 380 mm		500 x 540 x 380 mm		450 x 390 x 370 mm	
Outside Dimension (WxDxH) mm	460 x 510 x 540 mm		510 x 650 x 540 mm		520 x 550 x 610 mm	
Net Weight (kg)	30kg		40kg		50kg	
Gross Weight (kg)						
Shipping Weight (kg)						
Shipping Dimensions (mm)						
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54020051	54020052	54020101	54020102	54020151	54020152

Accessories:

Model	Image	Name	Details
54010A01		Stainless steel clamp for 50ml Erlenmeyer flask	
54010A02		Stainless steel clamp for 125ml Erlenmeyer flask	
54010A03		Stainless steel clamp for 250ml Erlenmeyer flask	
54010A04		Stainless steel clamp for 500ml Erlenmeyer flask	
54010A05		Stainless steel clamp for 1000ml Erlenmeyer flask	
54010A06		Stainless steel clamp for 2000ml Erlenmeyer flask	
54010A07		Stainless steel clamp for 3000ml Erlenmeyer flask	

Model	Image	Name	Details
54010A08		Stainless steel clamp for 4000ml Erlenmeyer flask	
54010A09		Stainless steel clamp for 5000ml Erlenmeyer flask	
54012A01		Shaker Platform with clamps 280x230mm	
54012A04		Shaker Platform with clamps 380x280mm	
54012A05		Shaker Platform with clamps 380x280mm	
54013A01		Test Tube Rack 210mm x 90mm	
54013A02		Test Tube Rack 340mm x 90mm with holes ∅ 16mm	
54014A01		Non-Slip Mat	
54014A02		Non-Slip Mat for 96 well plate	



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