

ES-60/60+/60E/60C Incubator Shaker

Shaker & Rocker

Introduction

Incubator Shaker is one kind of temperature controlled biochemical instrument combining incubation and shaking function. It is widely used in cell culture, fermentation, hybridization, biochemistry, research of enzyme and cell tissue, etc. which requires higher quality of temperature controlling and shaking speed. It can dynamically and statically cultivate microbial cell and all kinds of strains.

Feature

1. PID control speed technology.
2. Integrate incubator and shaker. Save lab space.
3. Compact design, good temperature uniformity, low noise.
4. Micro-processor controls temperature and shaking speed. Built-in timing function .
5. Human friendly touch-tone operation interface. Cover can be widely angle opened, convenient to watch and pick sample.
6. Equipped with cover switch. When the cover is open, air circulation, heating and shaking will automatically stop. No temperature overshoot problem.
7. Unique speed control circuit to ensure shaker smoothly start to avoid liquid spilling.
8. Circulation fan speed can be adjusted to avoid high-speed of the circulation fan making the sample volatilize.
9. Independent temperature alarm system. Heating is cut off automatically when temperature is over the limited value.
10. Sound alarms after program finishes.
11. Brushless DC motor, long life and maintenance-free.

Optional Platforms



Platform with clamps
P6-250



Platform with clamps
P12-100



Universal platform
with adjustable bars
UP-12



Double deck flat platform
with non-slip rubber mat
PP-4A



Flat platform with
non-slip rubber mat
PP-4



Universal platform with springs
PW-260

Conical flask 1000ml*1
Conical flask 500ml*4
Conical flask 250ml*5
Conical flask 100ml*12
Centrifuge tube 50ml*45
Centrifuge tube 15ml*70-80



Sticky Pad SPD-GS
used in the platform
PP-4 or PP-4A



ES-60

Remarks:

The replaceable platforms are for ES-60 and ES-60C only.



ES-60E



ES-60+



ES-60C

Specific Platforms



Platform PW-1500
W.280 x D.214 x H.13mm
(only for ES-60E)



Platform PW-420
W.410 x D.420 x H.65mm
(only for ES-60+)

Parameter

Model	ES-60	ES-60E	ES-60+	ES-60C
Speed Range	50rpm~300rpm	200rpm~1200rpm	50rpm~300rpm	50rpm~300rpm
Shaking Orbit	20mm (circle)	3mm (horizontal)	20mm (circle)	20mm (circle)
Temp. Control Range	R.T.+5~60℃	R.T.+5~60℃	R.T.+5~60℃	4~60℃ @R.T.≤25℃
Temp. Setting Range	5~60℃	5~60℃	5~60℃	4~60℃
Max. drop temp.	/	/	/	R.T. decrease 20℃@R.T.≥25℃
Temp. Stability@37℃	±0.3℃	±0.3℃	±0.3℃	±0.3℃
Temp. Display Accuracy	0.1℃	0.1℃	0.1℃	0.1℃
Time Range	1min~99h59min	1min~99h59min	1min~99h59min	1min~99h59min
Voltage	AC 220V/AC 110V, 50/60Hz	AC 220V/AC 110V, 50/60Hz	AC 220V/AC 110V, 50/60Hz	AC 220V/AC 110V, 50/60Hz
Power	400W	400W	600W	600W
Fuse	250V, 3A/5A, Φ5x20	250V, 3A/5A, Φ5x20	250V, 5A/10A, Φ5x20	250V, 5A/10A, Φ5x20
Dimension (WxDxH)	W.360 x D.435 x H.320mm	W.360 x D.435 x H.320mm	W.514 x D.660 x H.430mm	W.385 x D.560 x H.320mm
Net Weight	18.7kgs	18.7kgs	44.2kgs	25.8kgs
Optional Platform	Refer to "Platform Option"	Platform PW-1500	Platform PW-420	Refer to "Platform Option"

ES-60C+ Incubator Shaker

Shaker & Rocker

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Features

1. PID speed control technology.
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7. Unique speed control circuit to ensure shaker smoothly start to avoid liquid spilling.
8. Circulation fan speed can be adjusted to avoid high-speed of the circulation fan making the sample volatilize
9. Independent temperature alarm system. Heating is cut off automatically when temperature is over the limited value.
10. Sound alarms after program finishes, it can also be set to untimed continuous operation.
11. Brushless DC motor, long life and maintenance-free.



Platform PW-420
W.410 x D.420 x H.65mm

Parameters

Model	ES-60C+
Speed range	50rpm ~300rpm
Shaking orbit	20mm (circle)
Temp. control range	4 ~60°C @Ambient temp.≤25°C
Temp. setting range	4 ~60°C
Max. drop temp.	R.T. decrease 20°C@R.T.≥25°C
Temp. stability	±0.3°C
Temp. Display accuracy	0.1°C
Time range	1min ~99h59min
Voltage	AC 220V , 50/60Hz
Power	1200W
Fuse	250V, 5A/10A, Φ5x20
Dimension	W.560xD.823xH.449
Net weight	61Kgs
Platform	PW-420

