

# 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. Equiped 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



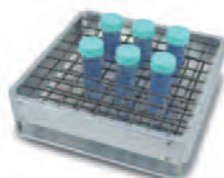
Universal platform  
with adjustable bars  
UP-12



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



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



ES-60

## Remarks:

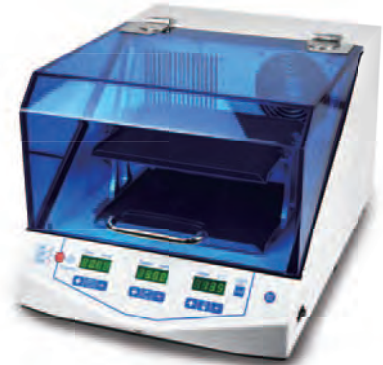
The replaceable platforms are for ES-60 and ES-60C only.



ES-60E



ES-60+

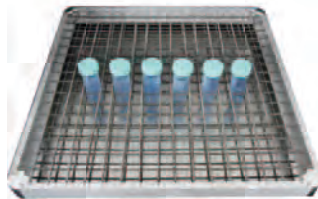


ES-60C

## 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+ and ES-60C+)

## 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°C	R.T.+5~60°C	R.T.+5~60°C	4~60°C @R.T.≤25°C
Temp. Setting Range	5~60°C	5~60°C	5~60°C	4~60°C
Temp. Stability@37°C	±0.3°C	±0.3°C	±0.3°C	±0.3°C
Temp. Display Accuracy	0.1°C	0.1°C	0.1°C	0.1°C
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"