

# SK-0330-Pro SK-0180-Pro

## LCD Digital Orbital Shaker

### Features

- Independent LCD display for speed and time
- Compact footprint
- Provides smooth and uniform shaking
- Two options: 7.5 kg (O330) with platform and 2.5kg (O180) with platform speed range 100–500 rpm and 100–800 rpm
- Continuous or timer operation mode
- Maintenance- free brushless DC motor
- Over speed detection and protection
- Wide range of optional platform for flasks, and other popular vessels
- Remote function provides PC control and data transmission
- Free software for PC control & data logging

### Applications

Suitable for mixing in culture dishes, flasks and beakers. Ideal for aeration and extraction applications. It can be used in environmental chambers and CO2 incubators.



SK-O330-Pro



SK-O180-Pro



Specifications	SK-O330-Pro	SK-O180-Pro
Orbital diameter	10mm	4mm
Max. load capacity (with platform)	7.5kg	2.5kg
Motor type	Brushless DC motor	Brushless DC motor
Motor input power	28W	28W
Motor output power	15W	15W
Speed range	100–500rpm	100–800rpm
Speed display	LCD	LCD
Timer display	LCD	LCD
Time settings range	1min–19h59min	1min–19h59min
Voltage,Frequency	100–240V,50/60Hz	100–240V,50/60Hz
Power	30W	30W
Weight	12kg	8.1kg
Permissible ambient temperature and humidity	5–40°C,80%RH	5–40°C,80%RH
Dimension[W × D × H]	370 × 420 × 100mm	300 × 340 × 100mm
Protection class	IP21	IP20
Data connector	RS232	RS232

# SK-0330-M

## Fixed Top LCD Digital Orbital Shaker



## Features

- Independent LCD display for speed and time
- Compact footprint
- Provides smooth and uniform shaking
- Two options: 9.8kg ( O330-M ) and speed range 70–400rpm, 3.1kg ( O180-S ) and speed range 40–200rpm
- Continuous or timer operation mode
- Maintenance- free brushless DC motor
- Over speed detection and protection
- Wide range of optional platform for flasks, and other popular vessels

## Applications

Orbital Shaker is ideal for applications like bacterial suspension, solubility studies, growth of bacteria and yeast, extraction procedures, washing procedures, diagnostics tests, hybridization, general mixing, staining & destaining, mixing, and extracting.

It is suitable for almost any vessel from micro-centrifuge tubes through petri dishes and microplates to conical flasks.

# SK-0180-S

## LED Digital Orbital Shaker



Timer

Specifications	SK-O180-S	SK-O330-M
Orbital diameter	20mm	10mm
Max. load capacity (with platform)	2kg	3kg
Motor type	Brushless DC motor	Brushless DC motor
Motor input power	20W	20W
Motor output power	16W	15W
Speed range	40–200rpm	70–400rpm
Speed display	LED	LCD
Timer display	LED	LCD
Time settings range	1min–19h59min	1min–19h59min
Voltage, Frequency	100–240V, 50/60Hz	100–240V, 50/60Hz
Power	20W	25W
Weight	3.1kg	9.8kg
Permissible ambient temperature and humidity	5–40°C, 80%RH	5–40°C, 80%RH
Dimension[W × D × H]	294 × 348 × 123mm	420 × 370 × 100mm
Protection class	IP20	IP21
Work plate Dimension [W × D]	268x268mm	335 × 335mm

# SK-L330-Pro SK-L180-Pro LCD Digital Linear Shaker

## Features

- Linear reciprocating shaking action
- Two options: 7.5kg(L330) and 2.5kg(L180) with platform
- Independent LCD display for speed and time
- Speed range of 100–350 rpm
- Maintenance-free brushless DC motor
- Over speed detection and protection
- Wide range of platforms for use with a variety of vessels

## Applications

Suitable for mixing in culture dishes, flasks and beakers. Ideal for aeration and extraction applications. It can be used in environmental chambers and CO<sub>2</sub> incubators.



**SK-L330-Pro**



**SK-L180-Pro**

Specifications	SK-L330-Pro	SK-L180-Pro
Amplitude	10mm	4mm
Max. load capacity (with platform)	7.5kg	2.5kg
Motor type	Brushless DC motor	Brushless DC motor
Motor input power	28W	28W
Motor output power	15W	15W
Speed range	100–350rpm	100–350rpm
Speed display	LCD	LCD
Timer display	LCD	LCD
Time settings range	1min–19h59min	1min–19h59min
Voltage, Frequency	100–240V, 50/60Hz	100–240V, 50/60Hz
Power	30W	30W
Weight	13.5kg	8.1kg
Permissible ambient temperature and humidity	5–40°C, 80%RH	5–40°C, 80%RH
Dimension[W × D × H]	370 × 420 × 100mm	300 × 340 × 100mm
Protection class	IP21	IP21
Data connector	RS232	RS232



## SK-R330-Pro LCD Digital Rocking Shaker

### Features

- Rocking motion angle 9°
- Maximum load capacity of 10 kg with platform
- Speed range of 10–70 rpm
- Double LCDs for independent display of time and speed
- Wide range of platforms for use with a variety of vessels

### Applications

Designed for time-dependent and low rpm sensitive shaking applications such as ELISA washes, enzyme immunoassays, protein synthesis, hybridization staining/destaining gels, , immune precipitation and Western blots; cell culture; pharmaceutical profiling, etc.

Specifications	SK-R330-Pro
Tilt angle	9°
Max. load capacity(with platform)	10kg
Motor type	DC motor
Motor input power	40W
Motor output power	24W
Speed range	10–70rpm
Speed display	LCD
Timer display	LCD
Time settings range	1min–19h59min
Voltage,Frequency	100–240V, 50/60Hz
Power	50W
Weight	9kg
Permissible ambient temperature and humidity	5–40°C,80%RH
Dimension[W × D × H]	360 × 410 × 200mm
Protection class	IP21

# SK-D3309-Pro

## LCD Digital 3D Shaker

### Features

- Three-dimensional rocking motion with an angle of 9°
- Maximum load capacity of 5kg with platform
- Speed range of 10–70 rpm
- Independent LCD display of time and speed
- Incubator compatible
- Various platform accessories



### Applications

3D shaker used for uniform shaking mixing in flasks, culture flasks, petri dishes and tubes. Ideal for culturing a variety of cell cultures, DNA extractions, distributing of cells and gel staining & destaining of cells.















Timer



Wide range of accessories

Specifications	SK-D3309-Pro
Tilt angle	9°
Max. load capacity(with platform)	5kg
Motor type	DC motor
Motor input power	40W
Motor output power	24W
Speed range	10–70rpm
Speed display	LCD
Timer display	LCD
Time settings range	1min–19h59min
Voltage,Frequency	100–240V, 50/60Hz
Power	50W
Weight	9kg
Permissible ambient temperature and humidity	5–40°C,80%RH
Dimension[W × D × H]	360 × 430 × 106mm
Protection class	IP21



Cat. No.	Description	SK-O330-Pro	SK-L330-Pro	SK-R330-Pro	SK-D3309-Pro	SK-O180-Pro	SK-L180-Pro
 18900155	SK330,5, Dish platform with non-slip mat and fixed string (8pcs) Dimension[WxD]: 30x28,5cm	■	■	■	■		
 18202835	Silicone mattress for 16 x 5~15mL tubes, use with SK330.5	■	■	■	■		
 18202846	Silicone mattress for 6 x 50mL tubes, use with SK330.5	■	■	■	■		
 18900185	SK180,4, Dish attachment with non-slip mat Dimension[WxD]: 24x21,5cm					■	■
 18900200	SK180,5, Large size dish attachment with non-slip mat Dimension[WxD]: 30x23cm					■	■
 18900326	SK180,6, Dish attachment with non-slip mat Dimension[WxD]: 28x28cm					■	■
 18202852	Silicone mattress for 10 x 5~10mL tubes					■	■
 18202853	Silicone mattress for 4 x 50mL tubes					■	■
 18900027	SK330,1, Universal attachment with 4 bars Size: 32x32cm Capacity for flask: 25mLx21pcs, 50mLx15pcs, 100mLx12pcs, 250mLx6pcs, 500x4pcs	■	■	■	■		
 18900040	SK330,3, Lengthways roller attachment Size: 32x32cm Capacity for flask: 25mLx21pcs, 50mLx15pcs, 100mLx12pcs, 250mLx6pcs, 500x4pcs	■	■	■	■		
 18900025	SK180,1, Universal attachment with 3 bars Size: 25x24,5cm Capacity for flask: 25mLx10pcs, 50mLx8pcs, 100mLx6pcs, 250mLx4pcs, 500x2pcs					■	■
 18900038	SK180,3, Lengthways roller attachment Size: 25x24,5cm Capacity for flask: 25mLx10pcs, 50mLx8pcs, 100mLx6pcs, 250mLx4pcs, 500x2pcs					■	■

Cat. No.	Description	SK-O330-Pro	SK-L330-Pro	SK-R330-Pro	SK-D3309-Pro	SK-O180-Pro	SK-L180-Pro
 18900036	Bar for SK330.1 universal attachment	■	■	■	■		
 18900037	Bar for SK180.1 universal attachment					■	■
 18900280	Connect sticks for double dishes shaker	■	■	■	■	■	■
 18900028	SK330.2, Fixing clip attachment Size: 32 x 32cm	■	■	■	■		
 18900026	SK180.2, Fixing clip attachment Size: 25 x 24cm					■	■
 18900029	Fixing clip for flask volume 25mL, used with SK330.2[56pcs] SK180.2[36pcs]	■	■	■	■	■	■
 18900030	Fixing clip for flask volume 50mL, used with SK330.2[28pcs] SK180.2[18pcs]	■	■	■	■	■	■
 18900031	Fixing clip for flask volume 100mL, used with SK330.2[28pcs] SK180.2 [18pcs]	■	■	■	■	■	■
 18900032	Fixing clip for flask volume 200/250mL, used with SK330.2[13pcs] SK180.2[8pcs]	■	■	■	■	■	■
 18900033	Fixing clip for flask volume 500mL, used with SK330.2[9pcs] SK180.2[8pcs]	■	■	■	■	■	■