

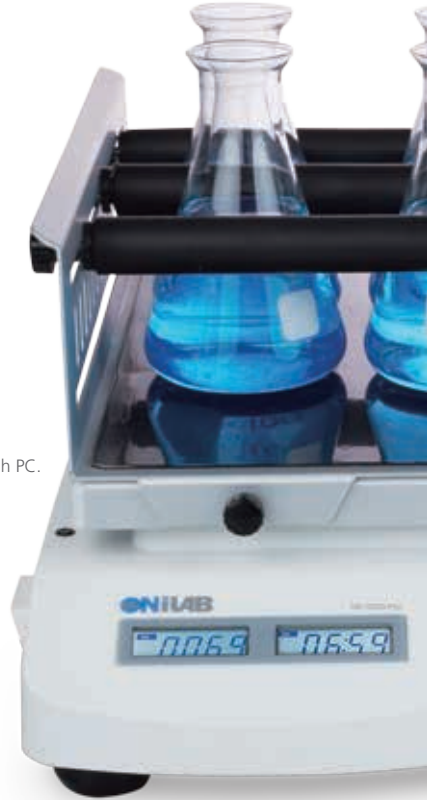
## Orbital and Linear Shakers

Orbital shakers with a variety of accessories are suitable for use in different laboratories in microbiology, chemistry, biochemistry and molecular biology in applications like drug analysis, ELISA, Enzyme immunoassays, protein synthesis, etc.,

### SK-O330-Pro SK-O180-Pro LCD Digital Orbital Shaker

#### Features

- Compact design and small footprint.
- Microprocessor PID control ensures powerful and consistent shaking motion.
- Load capacity up to 7.5Kg (O330) or 2.5Kg (O180) with platform.
- LCD digital control of speed and time.
- Programmable speed ranges from 100-500rpm.
- Easy-to-set digital timer from 1min-19h59min.
- High performance BLDC motor with overspeed detection.
- Variety of accessories suitable for most commonly used vessels.
- RS232 interface for data documentation and external control through PC.



### SK-O180-S LED Digital Orbital Shaker

#### Features

- Load capacity up to 3Kg with platform.
- Independent LED digital control of speed and time.
- Light in weight with low maintenance DC motor.
- Programmable speed ranges from 40-200rpm.
- Variety of accessories are available for most commonly used vessels.



## SK-O180-E

### Economical Orbital Shaker

#### Features

- Max. load capacity up to 3Kg with platform.
- Speed adjustable from 0-200rpm.
- Wide variety of platforms for use with a variety of vessels.
- Light in weight with low maintenance DC motor.



Specifications	SK-O330-Pro	SK-O180-Pro	SK-O180-S	SK-O180-E
Orbital diameter	10mm	4mm	20mm	20mm
Max. load capacity (with platform)	7.5kg	2.5kg	3kg	3kg
Motor type	Brushless DC motor	Brushless DC motor	DC motor	DC motor
Motor rating input	28W	28W	16W	16W
Motor rating output	15W	15W	10W	10W
Speed range	100-500rpm	100-800rpm	40-200rpm	0-200rpm
Speed display	LCD	LCD	LED	Dial
Timer display	LCD	LCD	LED	-
Time setting range	1min-19h59min	1min-19h59min	1min-19h59min	-
Voltage	100-240V,50/60Hz	100-240V,50/60Hz	100-240V,50/60Hz	100-240V,50/60Hz
Power	30W	30W	20W	20W
Weight	13.5kg	8.1kg	3.1kg	3.1kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C,80%RH	5-40°C, 80%RH
Dimension[WxDxH]	370x420x100mm	300x340x100mm	270x330x110mm	270x330x110mm
Protection class	IP21	IP21	IP21	IP21
Data interface	RS232	RS232	-	-

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

### Features

- Load capacity up to 7.5Kg (O330) or 2.5Kg (O180) with platform.
- Shaking amplitude of 10mm performs gentle motion of samples.
- LCD digital control for speed and time.
- Adjust speed with control knob from 100-350rpm.
- Timer control from 1min-19h59min or unlimited continuous operation.
- High performance BLDC motor with overspeed detection.
- Wide range of accessories and attachments are available.
- RS232 interface for data documentation and external control through PC.



## SK-L180-S LED Digital Linear Shaker

### Features

- Load capacity up to 3Kg with platform.
- Independent LED digital control of speed and time.
- Light in weight with low maintenance DC motor.
- Adjustable speed ranges from 40-200rpm.
- Variety of accessories suitable for most commonly used vessels.



## SK-L180-E Economical Linear Shaker

### Features

- Load capacity up to 3Kg with platform.
- Light in weight with low maintenance DC motor.
- Speed adjustable from 0-200rpm.
- Varieties of accessories are available.



Specifications	SK-L330-Pro	SK-L180-Pro	SK-L180-S	SK-L180-E
Amplitude	10mm	4mm	20mm	20mm
Max. load capacity (with platform)	7.5kg	2.5kg	3kg	3kg
Motor type	Brushless DC motor	Brushless DC motor	DC motor	DC motor
Motor rating input	28W	28W	16W	16W
Motor rating output	15W	15W	10W	10W
Speed range	100-350rpm	100-350rpm	40-200rpm	0-200rpm
Speed display	LCD	LCD	LED	Dial
Timer display	LCD	LCD	LED	-
Time setting range	1min-19h59min	1min-19h59min	1min-19h59min	-
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	30W	30W	20W	20W
Weight	13.5kg	8.1kg	3.1kg	3.1kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH
Dimension[WxDxH]	370x420x100mm	300x340x100mm	270x330x110mm	270x330x110mm
Protection class	IP21	IP21	IP21	IP21
Data interface	RS232	RS232	-	-

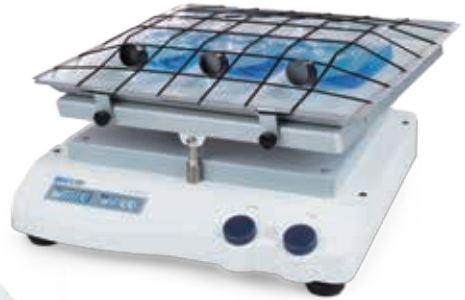
### Rocking and 3D shakers

Rocking & 3D shakers perform efficient mixing of liquids in tubes in a speed range of 40-200rpm (approx.) and are useful in hybridization reactions, gel washing, cell cultures, blood sample mixing by smooth and three dimensional rotations.

### SK-R330-Pro LCD Digital Rocking Shaker

#### Features

- SK-R330-Pro is a large model and the load capacity is 10Kg.
- Speed and time are adjustable from 10-70rpm and 1min-19h59min with LCD display.
- Tilt angle of 9°.
- Wide range of accessories and attachments are available.



### SK-R1807-S LED Digital Rocking Shaker

#### Features

- Tilt angle 7° .
- Max. load capacity is 3kg with platform.
- Speed range of 10-80rpm.
- Double LEDs for independent display of time and speed.
- Wide range of platforms for use with a variety of vessels.





## SK-R1807-E

### Economical Rocking Shaker

#### Features

- Tilt angle of 7° gives best results at economical price.
- Load capacity up to 3Kg with platform.
- Speed adjustable with a control knob from 0-80rpm.
- Wide range of accessories and attachments are available.

Specifications	SK-R330-Pro	SK-R1807-S	SK-R1807-E
Tilt angle	9°	7°	7°
Max. load capacity (with platform)	10kg	3kg	3kg
Motor type	DC motor	DC motor	DC motor
Motor rating input	40W	16W	16W
Motor rating output	24W	10W	10W
Speed range	10-70rpm	10-80rpm	0-80rpm
Speed display	LCD	LED	-
Timer display	LCD	LED	-
Time settings range	1min-19h59min	1min-19h59min	-
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	50W	20W	20W
Weight	9kg	3.2kg	3.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH
Dimension[WxDxH]	360x410x200mm	270x330x130mm	270x330x130mm
Protection class	IP21	IP21	IP21

## SK-D3309-Pro

### LCD Digital 3D Shaker

#### Features

- 3D rocking motion gives best mixing results of viscous media at low speed.
- SK-D3309-Pro is a medium sized model and the load capacity is 5Kg.
- Independent LED digital control of speed and time.
- Adjustable speed from 10-70rpm – suitable for cell culture plates.
- Wide range of accessories and attachments are available.



## SK-D1807-S

### LED Digital 3D Shaker

#### Features

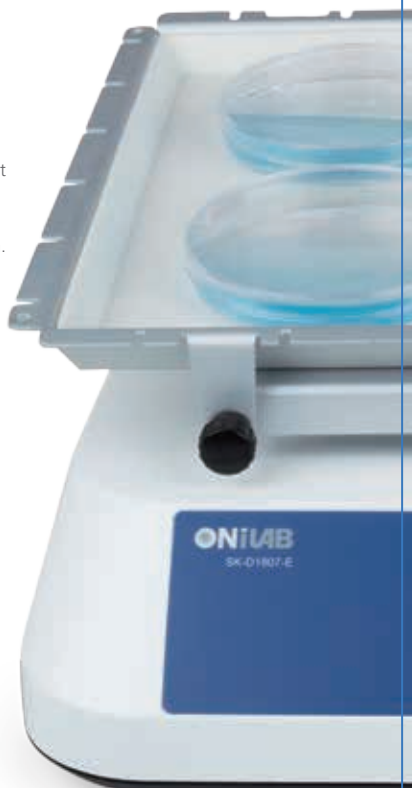
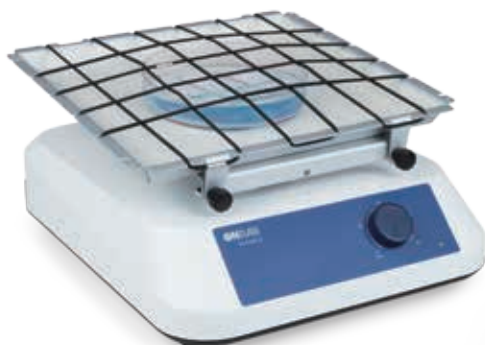
- Three-dimensional rocking motion within 7°.
- Max. load capacity is 3kg with platform.
- Speed range of 10-80rpm.
- Double LEDs for independent display of time and speed.
- Various of platform accessories.



## SK-D1807-E Economical 3D Shaker

### Features

- Three dimensional rocking angle of 7° gives best results at economical price.
- Load capacity up to 3Kg with platform.
- Speed adjustable with an analog control knob from 0-80rpm.
- Wide range of accessories and attachments are available.



Specifications	SK-D3309-Pro	SK-D1807-S	SK-D1807-E
Tilt angle	9°	7°	7°
Max. load capacity (with platform)	5kg	3kg	3kg
Motor type	DC motor	DC motor	DC motor
Motor rating input	40W	16W	16W
Motor rating output	24W	10W	10W
Speed range	10-70rpm	10-80rpm	0-80rpm
Speed display	LCD	LED	Dial
Timer display	LCD	LED	-
Time setting range	1min-19h59min	1min-19h59min	-
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	50W	20W	20W
Weight	9kg	2.7kg	2.7kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH
Dimension[WxDxH]	360x430x106mm	270x330x130mm	270x330x130mm
Protection class	IP21	IP21	IP21
Data connector	-	-	-





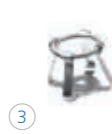
Cat. No.	Description	SK-O330-Pro SK-L330-Pro SK-R330-Pro SK-D3309-Pro	SK-O180-Pro/S/E SK-L180-Pro/S/E SK-R1807-S/E SK-D1807-S/E
①	Dish tray with non-slip mat and fixed string (8pcs) Dimension[WxD]: 30x28.5cm	√	
②	Dish tray with non-slip mat Dimension[WxD]: 24x21.5cm		√
③	Large size dish tray with non-slip mat Dimension[WxD]: 30x23cm		√
④	Dish tray with non-slip mat Dimension[WxD]: 28x28cm		√
⑤	Universal attachment with 4 bars Dimension[WxD]: 30x30cm	√	
⑥	Lengthways roller attachment Dimension[WxD]: 30x30cm	√	
⑦	Universal attachment with 3 bars Dimension[WxD]: 24x24cm		√
⑧	Lengthways roller attachment Dimension[WxD]: 24x24cm		√
⑨	Bar for SK330.1 universal attachment	√	
⑩	Bar for SK180.1 universal attachment		√
⑪	Connect sticks for multiple layer shaker	√	√



SK330.2



SK180.2



Cat. No.	Description	SK-O330-Pro SK-L330-Pro SK-R330-Pro SK-D3309-Pro	SK-O180-Pro/S/E SK-L180-Pro/S/E SK-R1807-S/E SK-D1807-S/E
①	Fixing clip attachment	✓	
②	Fixing clip attachment		✓
③	Fixing clip for 25mL flask, used with SK330.2[28pcs] SK180.2[9pcs]	✓	✓
④	Fixing clip for 50mL flask, used with SK330.2[16pcs] SK180.2[9pcs]	✓	✓
⑤	Fixing clip for 100mL flask, used with SK330.2[16pcs] SK180.2 [9pcs]	✓	✓
⑥	Fixing clip for 200/250mL flask, used with SK330.2[9pcs] SK180.2[4pcs]	✓	✓
⑦	Fixing clip for 500mL flask, used with SK330.2[9pcs] SK180.2[2pcs]	✓	✓

