



## SHO orbital motion



SHO-1D with optional rubber mat platform



SHO-2D with optional universal platform and flask holder

### Ideal for:

- culturing cells to hybridization, staining and destaining gels, and combinatorial chemistry
- hybridization, washing blots, culturing microbes

### Features:

- 10 - 300 rpm
- 230x230 mm or 350x350 mm
- digital LCD display
- smooth start and change of shaking speed while operation
- minimum noise
- timer for 0-60min
- multiple platforms and flask holder available
- brushless DC motor
- CE certified and unique serial number for tracing

### Safety mechanism:

- timer 59h 59min with timer-end signal
- operation LEDs
- overload protection
- locking mode

### Controller:

- programmable **Jog-Shuttle** controller with touch-button

Model	SHO-1D	SHO-2D
Design	shaker orbital motion	
Platform	230x230 mm	350x350 mm
Speed range	10-300 rpm	
Max. load	8 kg	10 kg
Amplitude	10 mm	20 mm
Programs	6 programs, 10 steps	
Permissible temperature & RH %	ambient temp. +5 ~ 50°C, 85% RH	
Timer & alarm	99hr 59min, error status timer-end	
Display	digital LCD with backlight function	
Controller	digital feedback controller (Jog-Shuttle)	
Safety circuit	overload protection	
Dimension & weight	250x330xh150 mm, 14 kg	400x480xh160 mm, 20 kg
Packaging size	450x350xh250 mm, 18 kg	580x500xh250 mm, 23 kg
Power supply	1 Phase AC 120V, 60 HZ or AC 230V, 50/60 Hz	
Order number 230V	DH.WSO04010	DH.WSO04012
Order number 120V	DH.WSO05010	DH.WSO05012

please note: no platform included - please order separately

maximal amount of flask holder depends on platform and flask holder size - more information on 134

# Shaker

reciprocating motion, 10 - 300 rpm, programmable

## SHR reciprocating motion



SHR-1D with optional rubber mat platform



SHR-2D with optional universal platform and flask holder

### Ideal for:

- culturing cells to hybridization, staining and destaining gels, and combinatorial chemistry
- hybridization, washing blots, culturing microbes

### Features:

- 10 - 300 rpm
- 230x230 mm or 350x350 mm
- digital LCD display
- smooth start and change of shaking speed while operation
- minimum noise
- timer for 0-60min
- multiple platforms and flask holder available
- brushless DC motor
- CE certified and unique serial number for tracing

### Safety mechanism:

- timer 59h 59min with timer-end signal
- operation LEDs
- overload protection
- locking mode

### Controller:

- programmable **Jog-Shuttle** controller with touch-button

Model	SHR-1D	SHR-2D
<b>Design</b>	shaker reciprocating motion	
<b>Platform</b>	230x230 mm	350x350 mm
<b>Speed range</b>	10-300 rpm	
<b>Max. load</b>	8 kg	10 kg
<b>Amplitude</b>	10 mm	20 mm
<b>Programs</b>	6 programs, 10 steps	
<b>Permissible temperature &amp; RH %</b>	ambient temp. +5 ~ 50°C, 85% RH	
<b>Timer &amp; alarm</b>	99hr 59min, error status timer-end	
<b>Display</b>	digital LCD with backlight function	
<b>Controller</b>	digital feedback controller (Jog-Shuttle)	
<b>Safety circuit</b>	overload protection	
<b>Dimension &amp; weight</b>	250x330xh150 mm, 14 kg	400x480xh160 mm, 20 kg
<b>Packaging size</b>	450x350xh250 mm, 18 kg	580x500xh250 mm, 23 kg
<b>Power supply</b>	1 Phase AC 120V, 60 HZ or AC 230V, 50/60 Hz	
<b>Order number 230V</b>	DH.WSR04020	DH.WSR04022
<b>Order number 120V</b>	DH.WSR05020	DH.WSR05022

please note: no platform included - please order separately

maximal amount of flask holder depends on platform and flask holder size - more information on 134

Accessories: Universal platform, rubber mat platform, platform for flasks, flask holder and spring rack on page 134

# Shaker

Accessories: Platforms, spring rack and flask holder

## Platforms

- suitable for Shaker SHO and SHR
- available in different types

Type	For device...	Plate	Article	Order number
Universal platform *	SHO-1D, SHR-1D	230x230 mm	SP100	<b>DH.WSO504100</b>
Universal platform **	SHO-2D, SHR-2D	350x350 mm	SP200	<b>DH.WSO504200</b>
Rubber mat platform	SHO-1D, SHR-1D	230x230 mm	SP110	<b>DH.WSO504110</b>
Rubber mat platform	SHO-2D, SHR-2D	370x370 mm	SP210	<b>DH.WSO504210</b>

\* max. 9x FH100 / FHS100, max. 7x FH250 / FHS250, max. 4x FH500 / FHS500

\*\* max. 20x FH100 / FHS100, max. 16x FH250 / FHS250, max. 9x FH500 / FHS500



## Platforms for flasks and separatory funnels

- suitable for Shaker SHO and SHR
- available in different types

Type	For device...	Dimension	Article	Order number
Platform for flasks	SHO-1D, SHR-1D	350x230x153 mm	SP120	<b>DH.WSO504120</b>
Platform for flasks	SHO-2D, SHR-2D	350x350x153 mm	SP220	<b>DH.WSO504220</b>
Platform for separatory funnels	SHO-1D, SHR-1D	350x235x174 mm	SP130	<b>DH.WSO504130</b>
Platform for separatory funnels	SHO-2D, SHR-2D	351x355x174 mm	SP230	<b>DH.WSO504230</b>

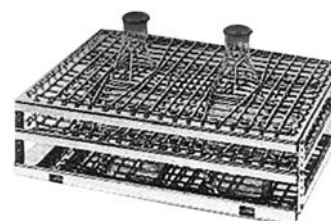
suitable separatory funnels can be found on page 221



## Universal spring rack

- suitable for Shaker SHO and SHR

Type	For device...	Dimension	Article	Order number
Universal spring rack	SHO-1D, SHR-1D	270x270x100 mm	SP120	<b>DH.WSO504140</b>
Universal spring rack	SHO-2D, SHR-2D	370x370x100 mm	SP220	<b>DH.WSO504240</b>



### Smart -Easy

Accesorios de fijación magnética Smart-Clip rápida y sencilla mediante imanes