

DAIHAN-brand® Digital Orbital Shaker, “SHO”, 10~300 rpm, Low Noise & Long Life Cycle, with Certi. & Traceability with Programmable Digital Feedback Control, Available Rubber Mat-/Universal-Platform, without Platform



Digital Orbital Shaker(SHO-1D) with Rubber Mat Platform (SP110)

- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Ideal for Culturing Cells to Hybridization, Staining and Destaining Gels, and Combinatorial Chemistry
- Patented Jog-Shuttle Control System
- CE Certified
- PL(Product Liability) Insurance

- \* Hybridization, Washing Blots, Culturing Microbes
- \* Ideal for Culturing Cells to Hybridization, Staining and Destaining Gels, and Combination Chemistry
- \* Optimal Platform Rotation for Intensive Mixing
- \* Brushless DC Motor (Low Noise & Long Life Cycle)
- \* High Precision Digital Rotation Speed Control
- \* Programmable Operation Mode Supported
- \* Digital LCD with Back-Light Function
- \* Smooth Start and Change of Shaking Speed
- \* Universal Platform for Easy and Fast Fixation of Any Kind of Flasks and Bottles (Optional)
- \* Storage Function, Alarm & Overload Protection
- \* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
- \* Variable accessories are available (Optional)



Digital Orbital Shaker (SHO-2D) with Universal Platform (SP200)

Specification

Model	Base Platform : 230×230 mm “SHO-1D” Only Unit	Base Platform : 350×350 mm “SHO-2D” Only Unit	
Shaking Motion	Orbital Motion		
Speed Range	10 ~ 300 rpm		
Max. Load	8 kg	10 kg	
Amplitude of Rotation (mm)	10, 15, 20 Available (15 as Factory Default)	20, 30, 40 Available (30 as Factory Default)	
Motor	Brushless DC Motor		
Permissible Ambient Temperature	Ambient +5 ~ 50℃		
Permissible Relative Moisture	85%		
Timer & Alarm	99hr 59min (with Continuous run.), Error status & Timer-end		
Display	Digital LCD with Back-Light Function		
Controller	Programmable Digital Feedback Controller with Jog-Shuttle Switch(Turn+Push)		
Program Function	10 Steps, 6 Programs		
Platform	Universal Platform for various Shapes & Size of Flask		
Max. Capacity of Flask Holder	FH100	9 ea	20 ea
	FH250	7 ea	16 ea
	FH500	4 ea	9 ea
Holder	Durable & Flexible Plastic Flask holder		
Dimension (w×d×h) (mm)	250×330×150	400×480×160	
Base Platform Size (mm)	230×230	350×350	
Safety Circuit	Overload Protector for Motor		
Net Weight	14 kg	20 kg	
Others	CE Certified, PL(Product Liability) Insurance Smooth Start and Change of the Stirring Speed for Stable Running Storage Function (Program, RPM, Timer) Locking Mode (Jog-Shuttle Input Disabled) Alarm (Error Status and Timer-end)		
Packing Size (w×d×h) (mm) & Gross Weight	450×350×250	580×500×250	
	18 kg	23 kg	
Power Consumption	40 W		
Power Supply & Cord Plug*	Free Voltage (1 Phase, AC 80V~240V, 50/60Hz)		

\* Other Specifications are available upon Customer's Request.

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Cat. No	Description	Articles
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<Continued from... DAIHAN-brand® Digital Orbital Shaker, "SHO">

### Ordering Information

#### 230×230 Base Platform, "SHO-1D" Unit Only

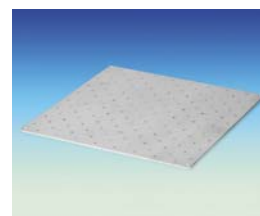
DH.WSO04010 Digital Orbital Shaker, "SHO-1D" Unit only, without Platform, 230V  
DH.WSO05010 , 120V

#### 350×350 Base Platform, "SHO-2D" Unit Only

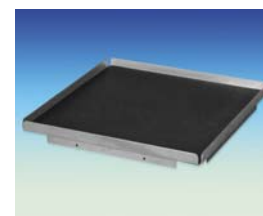
DH.WSO04012 Digital Orbital Shaker, "SHO-2D" Unit only, without Platform, 230V  
DH.WSO05012 , 120V

#### Optional Accessories

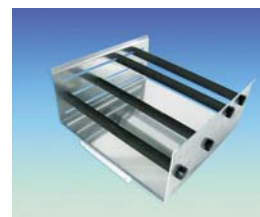
- DH.WSO504100 (1) Universal Platform, "SP100", for "SHO/SHR-1D", w230×d230mm  
DH.WSO504200 , "SP200", for "SHO/SHR-2D", w350×d350mm  
DH.WSO504110 (2) Rubber Mat Platform, "SP110", for "SHO/SHR-1D", w270×d270mm  
DH.WSO504210 , "SP210", for "SHO/SHR-2D", w370×d370mm  
DH.WSO504120 (3) Platform for Flasks, "SP120", for "SHO/SHR-1D",  
w350×d230×h153mm  
DH.WSO504220 (3) Platform for Flasks, "SP220", for "SHO/SHR-2D",  
w350×d350×h153mm  
DH.WSO504130 (4) Platform for Separatory Funnels, "SP130" for "SHO/SHR-1D",  
w350×d235×h174mm  
DH.WSO504230 (4) Platform for Separatory Funnels, "SP230" for "SHO/SHR-2D",  
w351×d355×h174mm  
DH.WIS504030 (5) Flask Holder, "FH100", 50~100ml, for "SHO", "SHR" and "WIS"  
DH.WIS504035 (6) , "FH250", 200~300ml, for "SHO", "SHR" and "WIS"  
DH.WIS504040 (7) , "FH500", 500~1000ml, for "SHO", "SHR" and "WIS"



(1) Universal Platform  
"SP100" / "SP200"



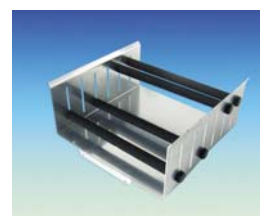
(2) Rubber Mat Platform  
"SP110" / "SP210"



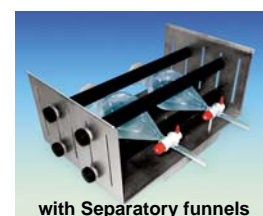
(3) Platform for Flasks "SP120" / "SP220"



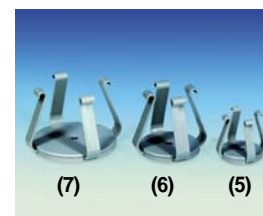
with Flasks



(4) Platform for Separatory Funnels "SP130" / "SP230"



with Separatory funnels



Flask Holders  
"FH500" / "FH250" / "FH100"

### Platform Selection Guide

APPLICATION	PLATFORM	HOLDER
Culturing Microbes Mixed with Erlenmeyer Flask	<b>Universal Platform</b> SP100 for SHO/SHR-1D SP200 for SHO/SHR-2D	<b>Flask Holder</b> FH100 (50~100ml) FH250 (200~300ml) FH500 (500~1000ml)
Staining/Destaining Gel, Washing Blots Gentle Mixing(Shaking)	<b>Rubber Mat Platform</b> SP110 for SHO/SHR-1D SP320 for SHO/SHR-2D	
Mixed Sample, Combination Chemistry Combinatorial Chemistry, with Round Flask	<b>Platform for Flask</b> SP120 for SHO/SHR-1D SP220 for SHO/SHR-2D	
Combinatorial Chemistry with Separatory Funnel	<b>Platform for Separatory Funnels</b> SP130 for SHO/SHR-1D SP230 for SHO/SHR-2D	