Articles

Cat. No

Description

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

디지털 궤도형 쉐이커, 저소음 및 긴 수명, 부드러운 시동 동작 및 속도 조절



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



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

- 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)

Specification

Shaking Motion	Model		Base Platform : 230×230 mm "SHO-1D" Only Unit	Base Platform : 350×350 mm "SHO-2D" Only Unit	
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 °C 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+Pus) 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 x d x h) (mm) 250 x 330 x 150 400 x 480 x 160 Base Platform Size (mm) 230 x 230 350 x 350 Safety Circuit Overload Protector for Motor Net Weight 14 kg 20 kg 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) <th>Shaking Motion</th> <th>1</th> <th colspan="2">Orbital Motion</th>	Shaking Motion	1	Orbital Motion		
Amplitude of Rotation (mm) 10, 15, 20 Available (30 as Factory Default) Brushless DC Motor Permissible Ambient Temperature Permissible Relative Moisture Timer & Alarm Display Digital LCD with Back-Light Function Programmable Digital Feedback Controller with Jog-Shuttle Switch(Turn+Pus) Program Function Platform Universal Platform for various Shapes & Size of Flask Max. Capacity of Flask Holder FH500 Holder Dimension (w×d×h) (mm) Base Platform Size (mm) Others Packing Size (w×d×h) (mm) 450×350×250 Sa0×500×250 A0 W Available (20, 30, 40 Available (20, 30, 40 Available (30 as Factory Default) 20, 30, 40 Available (30 as Factory Default) Portor Brushless DC Motor Ambient +5 ~ 50 °C Permissible Ambient +5 ~ 50 °C Program Function Program Function 10 Steps, 6 Programs Platform 10 Steps, 6 Programs Platform 10 Steps, 6 Programs Paul 4 & a 20 ea 20	Speed Range		10 ~ 300 rpm		
Amplitude of Rotation (mm) (15 as Factory Default) (30 as Factory Default) Motor Brushless DC Motor Permissible Ambient Temperature Ambient +5 ~ 50°C Permissible Relative Moisture 85% Timer & Alarm 99hr 59min (with Continuous run.), Error status & Timer-end Display Digital LCD with Back-Light Function Programmable Digital Feedback Controller with Jog- Shuttle Switch(Turn+Pus) 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 FH250 7 ea 16 ea FH500 4 ea 9 ea 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 CE Certified, PL (Product Liability) Insurance	Max. Load		8 kg	10 kg	
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+Pus) 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 9 ea FH500 4 ea 9 ea 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 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)	Amplitude of Rotation (mm)				
Permissible Relative Moisture 85% Timer & Alarm 99hr 59min (with Continuous run.), Error status & Timer-end Display Digital LCD with Back-Light Function Programmable Digital Feedback Controller with Jog-Shuttle Switch(Turn+Pus) 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 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 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 a	Motor		Brushless DC Motor		
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+Pus) 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 9 ea FH500 4 ea 9 ea Holder Durable & Flexible Plastic Flask holder Dimension (w x d x h) (mm) 250 x 330 x 150 400 x 480 x 160 Base Platform Size (mm) 230 x 230 350 x 350 Safety Circuit Overload Protector for Motor Net Weight 14 kg 20 kg CE Certified, PL (Product Liability) Insurance Smooth Start and Change of the Stirring Speed for Stable Running Others Storage Function (Program, RPM, Timer) Locking Mode (Jog-Shuttle Input Disabled) Alarm (Error Status and Timer-end) 450 x 350 x 250 580 x 500 x 250 Packing Size (w x d x h) (mm) 450 x 350 x 250 580 x 500 x 250 <	Permissible Ambi	ient Temperature	Ambient +5 ~ 50 ℃		
Display Digital LCD with Back-Light Function Controller Programmable Digital Feedback Controller with Jog-Shuttle Switch(Turn+Pus) 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 9 ea FH500 4 ea 9 ea Holder Durable & Flexible Plastic Flask holder Dimension (w x d x h) (mm) 250 x 330 x 150 400 x 480 x 160 Base Platform Size (mm) 230 x 230 350 x 350 Safety Circuit Overload Protector for Motor Net Weight 14 kg 20 kg CE Certiffied, 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 x d x h) (mm) 450 x 350 x 250 580 x 500 x 250 & Gross Weight 40 W	Permissible Relative Moisture		85%		
Controller Programmable Digital Feedback Controller with Jog-Shuttle Switch(Turn+Pus) 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 FH500 4 ea 9 ea Holder Durable & Flexible Plastic Flask holder Dimension (w x d x h) (mm) 250 x 330 x 150 400 x 480 x 160 Base Platform Size (mm) 230 x 230 350 x 350 Safety Circuit Overload Protector for Motor Net Weight 14 kg 20 kg 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 x d x h) (mm) 450 x 350 x 250 580 x 500 x 250 280 x 500 x 250 280 x 500 x 250 <th< th=""><th colspan="2">Timer & Alarm</th><th colspan="2">99hr 59min (with Continuous run.), Error status & Timer-end</th></th<>	Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end		
Controller with Jog-Shuttle Switch(Turn+Pus) 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) 230×230 350×350 350×350 Safety Circuit Overload Protector for Motor Net Weight 14 kg 20 kg 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) 450×350×250 580×500×250 580×5	Display		Digital LCD with Back-Light Function		
Platform	Controller				
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 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) 450×350×250 580×500×250 BRON S00×250 280×500×250 BRON S00×250 280×500×250 BRON S00×250 BRON S00×250 BRON S00×250 BRON S00×250 BRON S00×250 BRON S0	Program Function		10 Steps, 6 Programs		
Hask Holder	Platform		Universal Platform for various Shapes & Size of Flask		
of Flask Holder FR250 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 CE Certiffied, 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) 450×350×250 580×500×250 & Gross Weight 18 kg 23 kg Power Consumption	May Canasity	FH100	9 ea	20 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 CE Certiffed, PL (Product Liability) Insurance Smooth Start and Change of the Stirring Speed for Stable Running Others Storage Function (Program, RPM, Timer) Locking Mode (Jog-Shuttle Input Disabled) Alarm (Error Status and Timer-end) Packing Size (w×d×h) (mm) 450×350×250 580×500×250 & Gross Weight 18 kg 23 kg Power Consumption 40 W		FH250	7 ea	16 ea	
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 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) Alarm (Error Status and Timer-end) Packing Size (w×d×h) (mm) 450×350×250 580×500×250 & Gross Weight 18 kg 23 kg Power Consumption 40 W	Of Tiask Holder	FH500	4 ea	9 ea	
Base Platform Size (mm) 230×230 350×350 Safety Circuit Overload Protector for Motor Net Weight 14 kg 20 kg CE Certiffied, 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) Locking Mode (Jog-Shuttle Input Disabled) Alarm (Error Status and Timer-end) Packing Size (w×d×h) (mm) 450×350×250 580×500×250 & Gross Weight 18 kg 23 kg Power Consumption 40 W	Holder		Durable & Flexible Plastic Flask holder		
Safety Circuit Overload Protector for Motor Net Weight 14 kg 20 kg CE Certiffed, 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) 450×350×250 580×500×250 & Gross Weight 18 kg 23 kg Power Consumption 40 W	Dimension (w×	d×h) (mm)	250×330×150	400×480×160	
Net Weight 14 kg 20 kg 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) & 450×350×250 580×500×250 & Gross Weight 18 kg 23 kg Power Consumption 40 W	Base Platform S	Size (mm)	230×230	350×350	
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) 450×350×250 580×500×250 & Gross Weight 18 kg 23 kg Power Consumption 40 W	Safety Circuit		Overload Protector for Motor		
Others 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 450×350×250 580×500×250 580×500×250 Power Consumption 40 W	Net Weight		14 kg	20 kg	
& Gross Weight 18 kg 23 kg Power Consumption 40 W	Others		Smooth Start and Change of the Stirring Speed for Stable Running Storage Function (Program, RPM, Timer) Locking Mode (Jog-Shuttle Input Disabled)		
& Gross Weight 18 kg 23 kg Power Consumption 40 W			450×350×250	580×500×250	
			18 kg	23 kg	
Power Supply & Cord Plug* Free Voltage (1 Phase AC 80V~240V 50/60Hz)	Power Consumption		40 W		
1 100 Voltage (1 1 11000, 710 00 V -2-40 V, 00/00/12)	Power Supply & Cord Plug*		Free Voltage (1 Phase, AC 80V~240V, 50/60Hz)		

^{*} Other Specifications are available upon Customer's Request.

Cat. No

Description

Articles

앞 페이지 <DAIHAN-brand® Digital Orbital Shaker, "SHO" 에서 계속... >

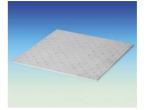
Ordering Information

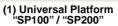
※ 운임 약 ₩ 9,000 별도!

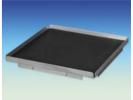
230×230 Base	Platform, "SHO-1D" Unit Only	Ea. Price, ₩
DH.WSO04010	Digital Orbital Shaker, "SHO-1D" Unit only, without Platform, 230V	785,020
DH.WSO05010	Digital Orbital Shaker, "SHO-1D" Unit only, without Platform, 120V	785,020
350×350 Base	Platform, "SHO-2D" Unit Only	
DH.WSO04012	Digital Orbital Shaker, "SHO-2D" Unit only, without Platform, 230V	877,350
DH.WSO05012	Digital Orbital Shaker, "SHO-2D" Unit only, without Platform, 120V	877,350

	Optional Accessories	Ea. Price, ₩
DH.WSO504100	(1) Universal Platform, "SP100", for "SHO/SHR-1D", w230 × d230mm	81,350
DH.WSO504200	(1) Universal Platform, "SP200", for "SHO/SHR-2D", w350×d350mm	108,980
DH.WSO504110	(2) Rubber Mat Platform, "SP110", for "SHO/SHR-1D", w270×d270mm	39,180
DH.WSO504210	(2) Rubber Mat Platform, "SP210", for "SHO/SHR-2D", w370 \times d370mm	60,870
DH.WSO504120	(3) Platform for Flasks, "SP120", for "SHO/SHR-1D", w350×d230×h153mm	131,370
DH.WSO504220	(3) Platform for Flasks, "SP220", for "SHO/SHR-2D", w350×d350×h153mm	145,790
DH.WSO504130	(4) Platform for Separatory Funnels, "SP130" for "SHO/SHR-1D", w350×d235×h174mm	137,330
DH.WSO504230	(4) Platform for Separatory Funnels, "SP230" for "SHO/SHR-2D", w351×d355×h174mm	145,790
DH.WIS504030	(5) Flask Holder, "FH100", 50~100ml, for "SHO", "SHR" and "WIS"	5,290
DH.WIS504035	(6) Flask Holder, "FH250", 200~300ml, for "SHO", "SHR" and "WIS"	5,690
DH.WIS504040	(7) Flask Holder, "FH500", 500~1000ml,	6,290

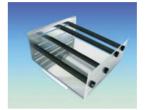
for "SHO", "SHR" and "WIS"

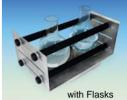




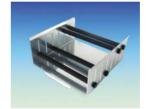


(2) Rubber Mat Platform "SP110" / "SP210"



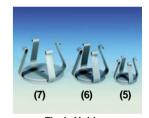


(3) Platform for Flasks "SP120" / "SP220"





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



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

Platform Selection Guide

APPLICATION	PLATFORM	HOLDER
Culturing Microbes Mixed with Erlenmeyer Flask	Universal Platform SP100 for SHO/SHR-1D SP200 for SHO/SHR-2D	Flask Holder FH100 (50~100ml) FH250 (200~300ml) FH500 (500~1000ml)
Staining/Destaining Gel, Washing Blots Gentle Mixing(Shaking)	Rubber Mat Platform SP110 for SHO/SHR-1D SP320 for SHO/SHR-2D	
Mixed Sample, Combination Chemistry Combinatorial Chemistry, with Round Flask	Platform for Flask SP120 for SHO/SHR-1D SP220 for SHO/SHR-2D	
Combinatorial Chemistry with Separatory Funnel	Platform for Separatory Funnels SP130 for SHO/SHR-1D SP230 for SHO/SHR-2D	
with Variety of Size Flask & Bottle	Universal Spring Rack SP140 for SHO/SHR-1D SP240 for SHO/SHR-2D	