DAIHAN-brand[®] Digital Reciprocating Shaker, "SHR", 10~300 rpm, Low Noise & Long Life Cycle with Programmable Digital Feedback Control, Available Rubber Mat-/Universal-Platform, without Platform



Digital Reciprocating Shaker (SHR-1D) with Rubber Mat Platform (SP110)



Digital Reciprocating Shaker (SHR-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 Reciprocating 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°C Permissible Ambient Temperature Ambient +5 - 50°C Permissible Ambient Temperature 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 FH300 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 CE Certified, PL (Product Lia	Model		Base Platform : 230×230 mm "SHR-1D" Only Unit	Base Platform : 350 × 350 mm "SHR-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 0 jigital 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 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	Shaking Motion		Recipr	ocating	
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+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 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 Cet Certified, PL (Product Liability) Insurance Smooth Start and Change of the Stiring 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 8 Gross Weight 450 × 350 × 250 580 × 500 × 250	Speed Range		10 ~ 300 rpm		
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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+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 FM20 7 ea 16 ea 9 ea Holder Durable & Flexible Plastic Flask holder 160 × 480 × 160 Base Platform Size (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 8 Gross Weight 450 × 350 × 250	Amplitude of Rotation (mm)				
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Max. Capacity of Flask Holder 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 CEC Certified, PL(Protuct 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	Platform		Universal Platform for various Shapes & Size of Flask		
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FH5004 ea9 eaHolderDurable & Flexible Plastic Flask holderDimension (w×d×h) (mm)250×330×150400×480×160Base Platform Size (mm)230×230350×350Safety CircuitOverload Protector for MotorNet Weight14 kg20 kgCE Certified, PL(Protut Liability) Insurance Smooth Start and Change of the Strring 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 Weight450×350×250580×500×250Power Consumption400×40×10		FH250	7 ea	16 ea	
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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) 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 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	Base Platform 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) & Gross Weight 450×350×250 580×500×250 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 Mathematical Reservence 18 kg 23 kg Power Consumption 40 W	Net Weight		14 kg	20 kg	
& Gross Weight 18 kg 23 kg Power Consumption 40 W	Others		Smooth Start and Charge of the Stirring Speed for Stable Running Storage Function (Program, RPM, Timer) Locking Mode (Jog-Shuttle Input Disabled)		
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		
	Power Supply & Cord Plug*		Free Voltage (1 Phase, AC 80V~240V, 50/60Hz)		

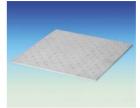
* Other Specifications are available upon Customer's Request.

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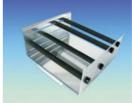
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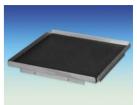
Ordering Information

Platform, "SHR-1D" Unit Only Digital Orbital Shaker, "SHR-1D" Unit only, without Platform, 230V , 120V		
Platform, "SHR-2D" Unit Only		
Digital Orbital Shaker, "SHR-2D" Unit only, without Platform, 230V , 120V		
Optional Accessories		
(1) Universal Platform, "SP100", for "SHO/SHR-1D", w230×d230mm , "SP200", for "SHO/SHR-2D", w350×d350mm		
(2) Rubber Mat Platform, " SP110 ", for " SHO/SHR-1D ", w270 × d270mm , " SP210 ", for " SHO/SHR-2D ", w370 × d370mm		
(3) Platform for Flasks, "SP120", for "SHO/SHR-1D", w366×d355×h175mm		
(3) Platform for Flasks, "SP220", for "SHO/SHR-2D", w366×d355×h175mm		
(4) Platform for Separatory Funnels, "SP130" for "SHO/SHR-1D", w350×d230×h153mm		
(4) Platform for Separatory Funnels, "SP230" for "SHO/SHR-2D", w350×d350×h153mm		
(5) Flask Holder, "FH100", 50~100ml, for "SH0, "SHR" and "WIS" (6) , "FH250", 200~300ml, for "SH0, "SHR" and "WIS" (7) , "FH500", 500~1000ml, for "SH0, "SHR" and "WIS"		



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

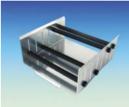




(2) Rubber Mat Platform "SP110" / "SP210"



(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	