

Superior Hotplate Stirrer | **EVO HS1**



✓ Fine Control Mode for Oil Sample

Offer two control option for “Water” and “Oil” as different thermal conductivity sample with External temps sensor equipment.

✓ Powerful, Soft and Long Life Cycle

The strong magnetism drive realize precision work also realized soft and stable operation by “Slow Start function” Brushless Motor equipped BLDC motor does not need ordinary maintenance works and the expected lifetime.

✓ Anti Step Out Function

Detached magnet detection during operation and “Auto recovery function” from when magnetic bar failure in stirring.

✓ High Safety

Over-Heat, Over-Load, Over Current Protection to secure the safety of products and sample

✓ Touch Button

Excellent design focused on the convenience of users

✓ Highly Durability and Uniformity

High chemical resistance and specially designed heat line realize good temperature uniformity

✓ High Fidelity LCD Display

Operation Icon of high intuitiveness and Easy-to-read backlit LCD are equipped

Hotplate **EVO HP1**
Magnetic Stirrer **EVO MS1**



Precise operation on Digital Hotplate and Magnetic Stirrer.

Analog Models **HS1-A**
HP1-A
MS1-A



Fine & Durable Analog models PWM control in heat control Stepless in speed control

Specification & Ordering

EVO Models



Ordering No.	Model Name	Description
LT.HS02010	EVO HS1	Precision Hotplate Stirrer, Digital, 18cm x 18cm, Max. 400°C, 1,500rpm, 230V, 50/60Hz
LT.HS02011		Precision Hotplate Stirrer, Digital, 18cm x 18cm, Max. 400°C, 1,500rpm, 120V, 50/60Hz
LT.HS02012	EVO HS1-Set	Package Set, Precision Hotplate Stirrer with External Temp. Probe-set, Digital, 18cm x 18cm, 400°C, 1,500rpm, 230V, 50/60Hz
LT.HS02013		Package Set, Precision Hotplate Stirrer with External Temp. Probe-set, Digital, 18cm x 18cm, 400°C, 1,500rpm, 120V, 50/60Hz
LT.HP02010	EVO HP1	Superior Hotplate, Digital, 18x18cm, 400°C, 230V, 50/60Hz
LT.HP02011		Superior Hotplate, Digital, 18x18cm, 400°C, 120V, 50/60Hz
LT.HP02012	EVO HP1-Set	Package Set, Superior Hotplate with External Temp. Probe-set, Digital, 18x18cm, 400°C, 230V, 50/60Hz
LT.HP02013		Package Set, Superior Hotplate with External Temp. Probe-set, Digital, 18x18cm, 400°C, 120V, 50/60Hz
LT.MS02010	EVO MS1	Superior Magnetic Stirrer, Digital, 18x18cm, 1,500rpm, 230V, 50/60Hz
LT.MS02011		Superior Magnetic Stirrer, Digital, 18x18cm, 1,500rpm, 120V, 50/60Hz

Model	EVO HS1	EVO HS1-Set	EVO HP1	EVO HP1-Set	EVO MS1
Plate Dimension	180 x 180mm				
Stirrer Speed Range	80 to 1,500rpm				80 to 1,500rpm
Speed control resolution	5 rpm				5 rpm
Maximum Stirring Volume (H ₂ O)	20Lit.				20Lit.
Heating Temperature	Max. 400°C				
Temp Accuracy	±0.3°C				
Temp Resolution	Display	0.1°C			
	Control	0.1°C			
Controller	Digital Fuzzy Controller with Touch Button & Jog Dial				
Timer	99hr 59min				
Display	Full Digital LCD Display with Back-Light Function				
Heating Output	600 W				
Motor Type	Brushless DC Motor				Brushless DC Motor
Others - Special function	Anti Step Out Function / Fine Control Mode for Oil Sample				
Permissible Temp. & Humidity	5°C~40°C, <80%				
Maximum Magnetic Stirrer Bar	50mm				50mm
Safety Devices	Over Temp Protection				
Material	Plate	Ceramic Coated Aluminum			
	Body	Powder Coated Aluminum			
Power Consumption	650W		620W		50W
Dimensions (w x d x h) & Net Weight	180 x 325 x 110mm, 3.43Kg	180 x 325 x 110mm, 3.9Kg	180 x 325 x 110mm, 3.43Kg	180 x 325 x 110mm, 3.43Kg	180 x 325 x 110mm, 3.43Kg
Packing Size (w x d x h) & Gross Weight	285 x 400 x 170mm, 4.13Kg	285 x 400 x 170mm, 4.6Kg	285 x 400 x 170mm, 4.13Kg	285 x 400 x 170mm, 4.6Kg	285 x 400 x 170mm, 4.13Kg
Power Supply	1 Phase, AC 120V, 60Hz or AC 230V, 50/60 HZ				

Analog Models



Ordering No.	Model Name	Description
LT.HS01110	HS1-A	Hotplate Stirrer, Analog, 18x18cm, 400°C, 1,500rpm, 230V, 60Hz
LT.HS01111		Hotplate Stirrer, Analog, 18x18cm, 400°C, 1,500rpm, 120V, 60Hz
LT.HS01112		Hotplate Stirrer, Analog, 18x18cm, 400°C, 1,500rpm, 230V, 50Hz
LT.HP01110	HP1-A	Hotplate, Analog, 18x18cm, 400°C, 230V, 50/60Hz
LT.HP01111		Hotplate, Analog, 18x18cm, 400°C, 120V, 50/60Hz
LT.MS01110	MS1-A	Magnetic Stirrer, Analog, 18x18cm, 1,500rpm, 230V, 60Hz
LT.MS01111		Magnetic Stirrer, Analog, 18x18cm, 1,500rpm, 120V, 60Hz
LT.MS01112		Magnetic Stirrer, Analog, 18x18cm, 1,500rpm, 230V, 50Hz

Model	HS1 - A	HP1 - A	MS1 - A
Plate Dimension	180 x 180mm		
Stirrer Speed Range	Max. 1,500rpm		Max. 1,500rpm
Maximum Stirring Volume (H ₂ O)	20Lit.		20Lit.
Heating Temperature	Max. 400°C		
Heat Control	Fine PWM Controller		
Speed Control	Stepless		Stepless
Heating Output	600W		
Motor Type	Brushless Shade Motor		Brushless Shade Motor
Permissible Temp. & Humidity	5°C~40°C, <80%		
Maximum Magnetic Stirrer Bar	50mm		
Material	Plate	Ceramic Coated Aluminum	
	Body	Powder Coated Aluminum	
Power Consumption	650W		50W
Dimensions (w x d x h) & Net Weight	180 x 325 x 110mm, 3.13Kg	180 x 325 x 110mm, 3.13Kg	180 x 325 x 110mm, 3.13Kg
Packing Size (w x d x h) & Gross Weight	285 x 400 x 170mm, 3.83Kg	285 x 400 x 170mm, 3.83Kg	285 x 400 x 170mm, 3.83Kg
Power Supply	1 Phase, AC 120V, 60Hz or AC 230V, 50/60 HZ		

Accessories



HSTP



HSTTP



HSSR



HSHC

Ordering No.	Model Name	Description
LT.HS00010	HSTP	Temp. Probe for Digital
LT.HS00011	HSTTP	Teflon Temp. Probe for Digital

Ordering No.	Model Name	Description
LT.HS00020	HSSR	Stand Rod
LT.HS00030	HSHC	Holder/Clamp/for Temp. Probe