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.

Highly Durability and Uniformity

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

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

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 controlw

Specification & Ordering

EVO Models



Ordering No.	Model Name	Description
LT.HS02010	EVO HS1	Precision Hotlpate Stirrer, Digital, 18cm x 18cm, Max. 400°C, 1,500rpm, 230V, 50/60Hz
LT.HS02011		Precision Hotlpate Stirrer, Digital, 18cm x 18cm, Max. 400°C, 1,500rpm, 120V, 50/60Hz
LT.HS02012	EVO HS1-Set	Package Set, Precision Hotlpate Stirrer with External Temp. Probe-set, Digital, 18cm x 18cm, 400°C, 1,500rpm, 230V, 50/60Hz
LT.HS02013		Package Set, Precision Hotlpate 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.HP02012		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_2O)		20Lit.				20Lit.
Heating Temperature		Max. 400°C				
Temp Accuracy		±0.3°C				
Temp Resolution	Display	0.1°C				
	Control	0.5°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, 3.49Kg	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, 50/60Hz				AC 100 - 240V~, 50/60Hz

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_2O)		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		50mm
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, 3.13Kg	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, 50/60Hz		

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