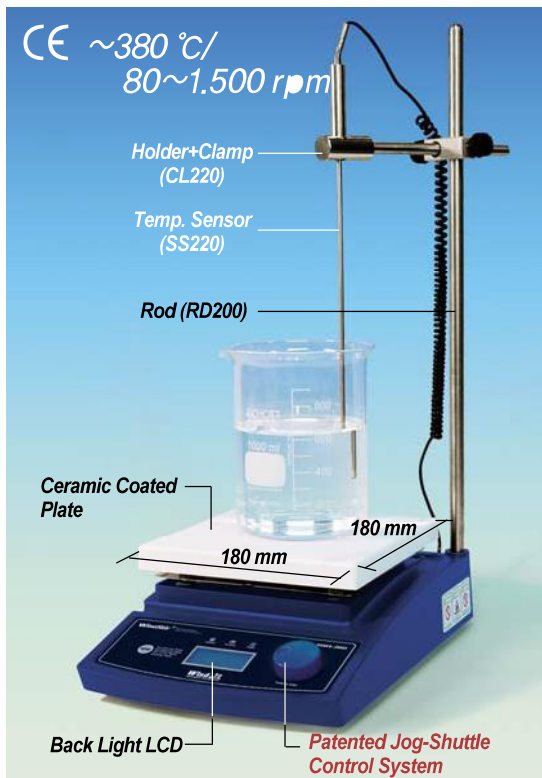


“witeg” WiseStir®MSH-D Digital Hotplate Stirrer, Ceramic-Coated Plate, up to 380 °C, ±0,3 °C
 Digital Feedback Control, Accurate Temperature Control, 180 × 180 mm / 260 × 260 mm, 80 ~ 1.500 rpm



Digital Precise Hotplate (MSH-20D-Set)

- Patented Jog-Shuttle Control System
- CE Certified

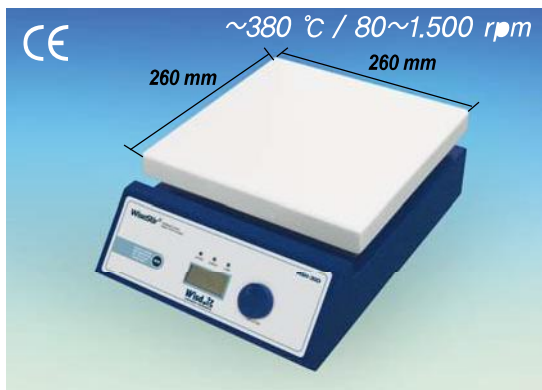
Application & Features

- * Digital Feedback Control by High-Performance Microprocessor.
- * Superior Temperature Uniformity : 10 % less on the Plate at Ambient Temperature.
- * Accurate Temp. Control of the Sample in the Vessel Using Optional PT100 Sensor.
- * User's Self-Compensation Function : to Control Difference between Real Temp. and Indicated Temp. (± 10,0 °C)
- * Digital LCD Display with Back-Light Function.
- * Aluminum Die-Casting Body. (MSH-20D)
- * Ceramic Coated Plate-Chemical/Acid Resistance.
- * Storage Function : Timer and Alarm.
- * Locking Mode Supported for Experimental Safety. (Input to Jog-Shuttle can be Disabled)
- * Patented Jog-Shuttle Control System.
- * CE Certified.

Specification

Model		MSH-20D	MSH-30D
Plate Size (mm)		180 × 180	260 × 260
Stirring Capacity (H ₂ O)		Max. 20 Lit.	
Motor Rating		9 / 4 W	
Speed Range		80 ~ 1,500 rpm	
Speed Control Resolution		5 rpm	
Temp.	Range	Max. 380 °C	
	Accuracy	±0,3 °C at Set Temperature (< 70 °C)	
Temp. Display Resolution		0,1 °C	
Temp. Control Resolution		0,5 °C	
Heating Power		600 W	1,200 W
Heating Plate		Specially Designed Heating Module (High Uniformity : Temp. Difference 10 % less)	
Permissible Ambient Temperature		Ambient +5 ~ 50 °C	
Permissible Relative Moisture		85 %	
Max. Length of Stirring Bar		50 mm	
Controller		Digital Feedback Controller with Jog Shuttle Switch (Turn + Push)	
Display		Digital LCD Display with Back-Light Function	
Timer		99 hr 59 min (Continuous Function Included)	
Material	Plate	Ceramic Coated Aluminum (Chemical / Acid Resistance)	
	Body	Powder Coated Aluminum	Powder Coated Steel
Dimension (w × d × h) (mm)		206 × 307 × 99	286 × 387 × 99
Weight		3,3 kg	3,5 kg
Others		CE Certified Storage Function (Temp., RPM, Timer) Locking Mode (Jog-Shuttle Input Disabled) User Self-compensation Function Alarm (Error Status and Timer-end)	
Power Consumption		600 W	1,2 kW
Packing Dimension (w × d × h) (mm)		400 × 280 × 200	430 × 320 × 200
Gross Weight		5 kg	
Power plug type		Hybrid E+F	
Power Supply*		AC 230 V, 50 / 60 Hz	

* Other Specifications are available upon Customer's Request.



Digital Precise Hotplate, Large Type (MSH-30D)

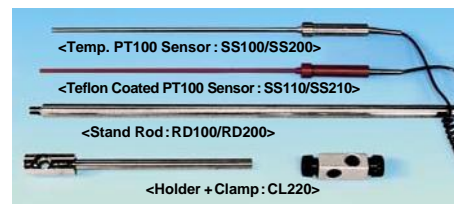
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<Continued from... "witeg" WiseStir®MSH-D Digital Hotplate Stirrer>

Ordering Information

MSH-20D Hotplate Stirrer Unit & Package Set

- DH.WMH03020** Digital Hotplate Stirrer, **MSH-20D-Unit Only**,
180 × 180 mm, 80~1.500 rpm, to 380 °C
- DH.WMH03021** Digital Hotplate Stirrer Package, **MSH-20D-Set**
with **SS200** External Temp.Sensor,
RD200 Support Rod and **CL220** Clamp
Packing Dimension w 400 × d 280 × h 200 mm, Gross Weight 5 kg



MSH-30D Hotplate Stirrer Unit & Package Set

- DH.WMH03022** Digital Hotplate Stirrer, **MSH-30D-Unit Only**,
260 × 260 mm, 80~1.500 rpm, to 380 °C
- DH.WMH03023** Digital Hotplate Stirrer Package, **MSH-30D-Set**
with **SS100** External Temp. Sensor,
RD100 Support Rod and **CL220** Clamp
Packing Dimension w 430 × d 320 × h 200 mm, Gross Weight 5 kg

Additional Function Accessories

- DH.WHP503020** Direct Contact Temperature Sensor, **SS100**,
PT100*, for **HP-30D**, **MSH-30D** and **SMHS**
- DH.WHP503021** Direct Contact Temperature Sensor, **SS110**,
PT100*, Teflon Coated, for **HP-30D**,
MSH-30D and **SMHS**
- DH.WHP503030** Direct Contact Temperature Sensor, **SS200**,
PT100*, for **HP-20D**, **MSH-20D** and **MSH-50D / 55D**
- DH.WHP503031** Direct Contact Temperature Sensor, **SS210**,
PT100*, Teflon Coated, for **HP-20D**,
MSH-20D and **MSH-50D / 55D**
- DH.WHP503011** Stand Rod, **RD100**, Stainless Steel, ϕ 12,7 × L 450 mm,
for **HP-30A / 30D**, **MSH-30A / 30D**
- DH.WHP503036** Stand Rod, **RD200**, Stainless Steel, ϕ 12 × L 450 mm,
for **HP-20A / 20D**, **MSH-20A / 20D**, **MSH-50A / 55A**,
MSH-50D / 55D and **SMHS**
- DH.WHP503012** Holder + Clamp, **CL220**, for Temp. Sensor

*PT100 : External Sensor for Feedback Control of the Temperature in the Vessel, Accuracy of $\pm 0,3$ °C

※ You will find matching beakers and flasks in our general catalogue at following pages : 33, 34, 293–296.

※ You will find matching stirring bars in our general catalogue at following pages : 362, 363.